

OM protein - protein search, using sw model

Run on: March 1, 2004, 16:52:59 ; Search time 10.9268 Seconds
 (without alignments) 33.073 Million cell updates/sec

Title: US-09-910-582B-2
 Perfect Score: 44
 Sequence: 1 GGGVFWQ 7

Scoring table: BLOSSUM62
 Gapopen 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
 Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
 Maximum Match 100%
 Listing first 45 summaries

Database : Issued Patents AA:*

1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep: *
 2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep: *
 3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep: *
 4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep: *
 5: /cgn2_6/ptodata/2/iaa/PCTUS_COMB.pep: *
 6: /cgn2_6/ptodata/2/iaa/backfilest.pep: *

Prd. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Length	DB ID	Description
1	44	100.0	7	4	US-09-326-718-2
2	38	66.4	502	4	US-09-489-039A-13376
3	36	81.8	145	4	US-09-489-039A-13376
4	36	81.8	1318	4	US-09-540-236-3623
5	35	79.5	723	4	US-09-328-352-7105
6	35	79.5	853	4	US-09-489-039A-13376
7	34	77.3	73	4	US-09-540-236-3484
8	34	77.3	188	4	US-09-328-352-7895
9	34	77.3	559	4	US-09-489-039A-9319
10	33	75.0	148	4	US-09-489-039A-1025
11	33	75.0	170	4	US-09-439-554-18
12	33	75.0	241	4	US-09-189-452A-1044
13	33	75.0	263	4	US-09-134-001C-4512
14	33	75.0	298	4	US-09-489-039A-13376
15	33	75.0	301	4	US-09-489-039A-714-14
16	33	75.0	305	3	US-09-178-610-6
17	33	75.0	317	2	US-08-615-362A-8
18	33	75.0	317	2	US-08-780-572-3
19	33	75.0	317	2	US-09-213-398-3
20	33	75.0	318	2	US-08-161-362A-9
21	33	75.0	340	2	US-08-790-572-1
22	33	75.0	340	2	US-09-213-398-1
23	33	75.0	342	4	US-09-149-476-695
24	33	75.0	358	4	US-09-151-771B-8
25	33	75.0	358	4	US-09-151-771B-9
26	33	75.0	359	4	US-09-154-750A-90
27	33	75.0	360	4	US-09-489-039A-9981

ALIGNMENTS

RESULT 1
 US-09-326-718-2

; Sequence 2, Application US/09326718
 ; Patent No. 630373
 ; GENERAL INFORMATION:
 ; APPLICANT: Rusblanti, Erkki
 ; APPLICANT: MacKenna, Dide
 ; TITLE OF INVENTION: Hairpin Homing Peptides and Methods of
 ; TITLE OF INVENTION: Hairpin Homing Peptides and Methods of
 ; FILE REFERENCE: P-LJ 3512
 ; CURRENT APPLICATION NUMBER: US/09/326,718
 ; CURRENT FILING DATE: 1999-06-07
 ; NUMBER OF SEQ ID NOS: 15
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 2
 ; LENGTH: 7
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Synthetic construct
 ; US-09-326-718-2

Query Match 100.0%; Score 44; DB 4; Length 7;
 Best Local Similarity 100.0%; Pred. No. 3e+05; 0; Mismatches 0; Indels 0; Gaps 0;

QY	1 GGGVFWQ 7
Db	1 GGGVFWQ 7

RESULT 2
 US-09-489-039A-13376
 ; Sequence 13376, Application US/09489039A
 ; Patent No. 6610836
 ; GENERAL INFORMATION:
 ; APPLICANT: Gary Breton et. al
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
 ; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
 ; FILE REFERENCE: 2109 2004001
 ; CURRENT APPLICATION NUMBER: US/09/489, 039A
 ; CURRENT FILING DATE: 2000-01-27
 ; PRIOR APPLICATION NUMBER: US 60/117, 747
 ; PRIOR FILING DATE: 1999-01-29
 ; NUMBER OF SEQ ID NOS: 14342
 ; SEQ ID NO 13376
 ; LENGTH: 502
 ; TYPE: PRT
 ; ORGANISM: Klebsiella pneumoniae
 ; US-09-489-039A-13376

Query Match 86.4%; Score 38; DB 4; Length 502;
 Best Local Similarity 100.0%; Pred. No. 70; Mismatches 6; Conservative 0; Indels 0; Gaps 0;
 Matches 0; Title of Invention: ESTs and Encoded Human Proteins.

QY 2 GGGVFWQ 7
 Db 338 GGGVFWQ 343

RESULT 3

US 09-621-976-6871
 Sequence 6871, Application US/09621976
 Patent No. 6639063
 General Information:
 Applicant: Dumas Maine Edwards, J.B.
 Applicant: Robert, S.
 Applicant: Giolando, J.Y.
 Title of Invention: ESTs and Encoded Human Proteins.

FILE REFERENCE: GENSET:054PR2
 CURRENT FILING DATE: 2000-07-21
 NUMBER OF SEQ ID NOS: 19335
 SEQ ID NO 6871
 LENGTH: 146
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-621-976-6871

Query Match 79.5%; Score 35; DB 4; Length 723;
 Best Local Similarity 88.7%; Pred. No. 3.1e+02; Mismatches 6; Conservative 0; Indels 0; Gaps 0;
 Matches 0; Title of Invention: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS

QY 1 GGGVFWQ 7
 Db 640 GGGVFWQ 646

RESULT 6

US-09-489-039A-8500
 Sequence 8500, Application US/09489039A
 Patent No. 6610836
 General Information:
 Applicant: Gary Breton, et. al.
 Title of Invention: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
 FILE REFERENCE: 2709.2004001
 CURRENT FILING DATE: 2000-01-27
 PRIOR APPLICATION NUMBER: US 60/117,747
 NUMBER OF SEQ ID NOS: 14342
 SEQ ID NO 8500
 LENGTH: 853
 TYPE: PRT
 ORGANISM: Klebsiella pneumoniae
 US-09-489-039A-8500

RESULT 4

US-09-540-236-3623
 Sequence 3623, Application US/09540236
 Patent No. 6673910
 General Information:
 Applicant: Gary L. Breton et al.
 Title of Invention: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO MORAXELLA CATA
 FILE REFERENCE: 2709.2005-001
 CURRENT FILING NUMBER: US/09/540,236
 CURRENT FILING DATE: 2000-04-04
 NUMBER OF SEQ ID NOS: 3840
 SEQ ID NO 3623
 LENGTH: 1318
 TYPE: PRT
 ORGANISM: M. catarrhalis
 US-09-540-236-3623

Query Match 81.8%; Score 36; DB 4; Length 1318;
 Best Local Similarity 71.4%; Pred. No. 3.8e+02; Mismatches 5; Conservative 1; Indels 0; Gaps 0;
 Matches 1; Title of Invention: FOR DIAGNOSTICS AND THERAPEUTICS

QY 1 GGGVFWQ 7
 Db 584 GGGVFWQ 590

RESULT 5

US 09-228-352-7106
 Sequence 7106, Application US/09328352
 Patent No. 6562958
 General Information:
 Applicant: Gary L. Breton et al.
 Title of Invention: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER

QY 1 GGGVFWQ 6
 Db 1 GGGVFWQ 1

Query Match 77.3%; Score 34; DB 4; Length 73;
 Best Local Similarity 83.3%; Pred. No. 4.9e+02; Mismatches 5; Conservative 0; Indels 1; Gaps 0;
 Matches 0; Title of Invention: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS

QY 1 GGGVFWQ 6
 Db 1 GGGVFWQ 1

RESULT 7

US-09-540-236-3484
 Sequence 3484, Application US/09540236
 Patent No. 6673910
 General Information:
 Applicant: Gary L. Breton et al.
 Title of Invention: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO MORAXELLA CATA
 FILE REFERENCE: 2709.2005-001
 CURRENT FILING NUMBER: US/09/540,236
 CURRENT FILING DATE: 2000-04-04
 NUMBER OF SEQ ID NOS: 3840
 SEQ ID NO 3844
 LENGTH: 73
 TYPE: PRT
 ORGANISM: M.catarrhalis
 US-09-540-236-3484

Query Match 77.3%; Score 34; DB 4; Length 73;
 Best Local Similarity 83.3%; Pred. No. 4.9e+02; Mismatches 5; Conservative 0; Indels 1; Gaps 0;
 Matches 0; Title of Invention: FOR DIAGNOSTICS AND THERAPEUTICS

QY 1 GGGVFWQ 6
 Db 1 GGGVFWQ 1

```

Db 19 GGCFW 24

RESULT 8
; Sequence 7896, Application US/09328352
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; FILE REFERENCE: GJCC9-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO: 7896
; LENGTH: 188
; TYPE: PRT
; ORGANISM: Acinetobacter baumannii
; US-09-328-352-7896

Query Match 77.3%; Score 34; DB 4; Length 188;
Best Local Similarity 83.3%; Pred. No. 1.2e-02; Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1 GGGVFW 6
Db 22 GGGCFW 27

RESULT 9
; Sequence 9319, Application US/09489039A
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709-2004001
; CURRENT APPLICATION NUMBER: US/09/489, 039A
; CURRENT FILING DATE: 2000-01-27
; PRIORITY APPLICATION NUMBER: US 60/117,747
; PRIORITY FILING DATE: 1999-01-29
; SEQ ID NO: 9319
; LENGTH: 559
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
; US-09-489-039A-9319

Query Match 77.3%; Score 34; DB 4; Length 559;
Best Local Similarity 83.3%; Pred. No. 3.6e+02; Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 2 GGVFWQ 7
Db 290 GGTFWQ 295

RESULT 10
; Sequence 10125, Application US/09489039A
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709-2004001
; CURRENT APPLICATION NUMBER: US/09/489, 039A
; CURRENT FILING DATE: 2000-01-27
; PRIORITY APPLICATION NUMBER: US 60/117,747
; PRIORITY FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO: 14342

Query Match 77.3%; Score 34; DB 4; Length 559;
Best Local Similarity 83.3%; Pred. No. 3.6e+02; Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 2 GGVFWQ 7
Db 290 GGTFWQ 295

RESULT 11
; Sequence 18, Application US/09439554
; GENERAL INFORMATION:
; APPLICANT: Rafałski, Jan Antoni
; APPLICANT: Odell, Joan T.
; APPLICANT: Sakai, Hajime
; APPLICANT: Thorpe, Catherine J.
; APPLICANT: Kinney, Anthony J.
; APPLICANT: Famoudou, Omolayo O.
; TITLE OF INVENTION: STEROID METABOLISM ENZYMES
; FILE REFERENCE: BB114 US NA
; CURRENT APPLICATION NUMBER: US/09/439, 554
; CURRENT FILING DATE: 1999-11-12
; EARLIER APPLICATION NUMBER: 60/108,351
; EARLIER FILING DATE: 1998-NO. 647973ember-13
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: Microsoft Office 97
; SEQ ID NO: 18
; LENGTH: 170
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: UNSURE
; LOCATION: (153)
; FEATURE:
; NAME/KEY: UNSURE
; LOCATION: (169)
; US-09-439-554-18

Query Match 75.0%; Score 33; DB 4; Length 170;
Best Local Similarity 66.7%; Pred. No. 1.6e+02; Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GGGVFW 6
Db 14 GGGKFW 19

RESULT 12
; Sequence 104, Application US/09198452A
; GENERAL INFORMATION:
; APPLICANT: Griffais, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
; TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, pre
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/09/198,452A
; CURRENT FILING DATE: 1998-11-24
; NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO: 104
; LENGTH: 241
; TYPE: PRT
; ORGANISM: Chlamydia pneumoniae
; US-09-198-452A-104

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Query Match 75.0%; Score 33; DB 4; length 241;
 Best Local Similarity 83.3%; Pred. No. 2.3e+02; Mismatches
 Matches 5; Conservative 0; Indels 0; Gaps 0;
 Gaps 0;

Qy 1 GGGVFW 6
 Db 109 GGGVIV 114

RESULT 13

; Sequence 4512, Application US/09134001C
 ; Patent No. 6380370
 ; GENERAL INFORMATION:
 ; APPLICANT: Lynn Doucette-Stamm et al
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
 FILE REFERENCE: GTC-007
 ; CURRENT APPLICATION NUMBER: US/09/134, 001C
 ; CURRENT FILING DATE: 1998-08-13
 ; PRIOR APPLICATION NUMBER: US 60/064, 964
 ; PRIOR FILING DATE: 1997-11-08
 ; PRIOR APPLICATION NUMBER: US 60/055, 779
 ; PRIOR FILING DATE: 1997-08-14
 ; NUMBER OF SEQ ID NOS: 5674
 ; SEQ ID NO 4512
 ; LENGTH: 263
 ; TYPE: PRT
 ; ORGANISM: Staphylococcus epidermidis
 US-09-134-001C-4512

Query Match 75.0%; Score 33; DB 4; length 263;
 Best Local Similarity 100.0%; Pred. No. 2.5e+02; Mismatches
 Matches 5; Conservative 0; Indels 0; Gaps 0;
 Gaps 0;

Qy 2 GGGFW 6
 Db 119 GGVFW 123

RESULT 14

US-09-489-039A-13636

; Sequence 13636, Application US/09489039A
 ; Patent No. 6610856
 ; GENERAL INFORMATION:
 ; APPLICANT: Gary Breton et. al
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
 FILE REFERENCE: 2709_2004001
 ; CURRENT APPLICATION NUMBER: US/09/489, 039A
 ; CURRENT FILING DATE: 2000-01-27
 ; PRIOR APPLICATION NUMBER: US 60/117, 747
 ; PRIOR FILING DATE: 1999-01-29
 ; NUMBER OF SEQ ID NOS: 14342
 ; SEQ ID NO 13636
 ; LENGTH: 298
 ; TYPE: PRT
 ; ORGANISM: Klebsiella pneumoniae
 US-09-489-039A-13636

Query Match 75.0%; Score 33; DB 4; length 298;
 Best Local Similarity 83.3%; Pred. No. 2.8e+02; Mismatches
 Matches 5; Conservative 0; Indels 0; Gaps 0;
 Gaps 0;

Qy 1 GGGVFW 6
 Db 241 GGGFW 246

RESULT 15

US-09-522-714-14

; Sequence 14, Application US/09522714

Query Match 75.0%; Score 33; DB 4; length 301;
 Best Local Similarity 66.7%; Pred. No. 2.9e+02; Mismatches
 Matches 4; Conservative 2; Indels 0; Gaps 0;
 Gaps 0;

Qy 1 GGGVFW 6
 Db 152 GGGMYW 157

Search completed: March 1, 2004, 16:59:05
 Job time: 11.9268 secs

GenCore version 5.1.6
 Copyright (C) 1993 - 2004 Comugen Ltd.

OM protein - protein search, using sw model

Run on: March 1, 2004, 16:57:09 ; Search time 22.1951 Seconds
 (without alignments) 66.594 Million cell updates/sec

Title: US-09-910-582B-2

Perfect score: 44 Sequence 1 GGGVFWQ 7

Scoring table: BLOSUM62

Gapext 10.0 , Gapext 0.5

Searched: 809742 seqs, 211153259 residues

Total number of hits satisfying chosen parameters: 809742

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
 Maximum Match 100%
 Listing first 45 summaries

Published Applications AA:*

1: /cggn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*

2: /cggn2_6/ptodata/1/pubpaa/PCN_NEW_PUB.pep:*

3: /cggn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep:*

4: /cggn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*

5: /cggn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*

6: /cggn2_6/ptodata/1/pubpaa/PCNUS_PUBCOMB.pep:*

7: /cggn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep:*

8: /cggn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*

9: /cggn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep:*

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12: /cggn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep:*

13: /cggn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*

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15: /cggn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep:*

16: /cggn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep:*

17: /cggn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*

18: /cggn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB	ID	Description
1	44	100.0	7	9	US-09-782-650-1		Sequence 1, Appli
2	44	100.0	7	10	US-09-582B-2		Sequence 2, Appli
3	84.1	480	9	US-09-881-752B-2		Sequence 38, Appli	
4	81.8	158	14	US-10-039-386-27774		Sequence 27774, A	
5	81.8	280	9	US-09-925-300-1419		Sequence 1419, AP	
6	79.5	416	14	US-10-201-210-212		Sequence 2, Appli	
7	79.5	445	15	US-10-355-493-3089		Sequence 3089, AP	
8	79.5	637	15	US-10-431-273-48		Sequence 48, Appli	
9	79.5	729	9	US-09-812-242-1012		Sequence 10132, A	
10	34	77.3	150	US-10-359-493-7266		Sequence 7266, AP	
11	34	77.3	173	US-10-360-493-4503		Sequence 4503, AP	
12	77.3	174	15	US-10-363-493-8677		Sequence 8677, AP	
13	34	77.3	177	US-10-359-493-18610		Sequence 18610, A	
14	34	77.3	238	US-10-101-46A-702		Sequence 702, AP	
15	77.3	278	14	US-10-001-631C-122		Sequence 122, AP	

ALIGNMENTS

RESULT 1
 US-09-782-650-1
 Sequence 1, Application US/09782650
 Patent No. US20020019350A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Levine, Arnold J.
 ; APPLICANT: Mitterer, Artur
 ; APPLICANT: Falkner, Falko-Guenther
 ; APPLICANT: Scheiflinger, Friedrich
 ; APPLICANT: Dornet, Friedrich
 ; APPLICANT: Edwards Lifesciences Corporation
 ; TITLE OF INVENTION: Targeted Angiogenesis
 ; FILE REFERENCE: 20553D/007610S
 ; CURRENT APPLICATION NUMBER: US/09/782,650
 ; PRIOR APPLICATION NUMBER: US 09/324,079
 ; PRIOR FILING DATE: 1999-06-01
 ; PRIOR APPLICATION NUMBER: US 09/327,045
 ; PRIOR FILING DATE: 1999-06-01
 ; PRIOR APPLICATION NUMBER: PCT/US00/14988
 ; PRIOR FILING DATE: 2000-05-31
 ; NUMBER OF SEQ ID NOS: 24
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 1
 ; LENGTH: 7
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence:targeting
 ; OTHER INFORMATION: molecule
 ; US-09-782-650-1
 ; Query Match 100 %; Score 44; DB 9; Length 7;
 ; Best Local Similarity 100.0%; Pred. No. 7.2e+05;
 ; Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGVFWQ 7

|||||||

Db 1 GGGVFWQ 7

; Publication No. US20030194704A1

; GENERAL INFORMATION: ;

; APPLICANT: Penn, Sharron G. ;

; APPLICANT: Rank, David R. ;

; APPLICANT: Hanezel, David K. ;

; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR

; PUBLICATION: EXPRESSION ANALYSIS TWO ;

; FILE REFERENCE: AEOMICA-X-2 ;

; CURRENT APPLICATION NUMBER: US/10/029,386 ;

; CURRENT FILING DATE: 2001-12-20 ;

; NUMBER OF SEQ ID NOS: 3488 ;

; SOFTWARE: Annamax Sequence Listing Engine vers. 1.1 ;

; SEQ ID NO: 2774 ;

; LENGTH: 158 ;

; ORGANISM: Homo sapiens ;

; FEATURE: ;

; OTHER INFORMATION: MAP TO AL13872.2 ;

; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 8.1 ;

; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 8.2 ;

; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 4.5 ;

; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 7.6 ;

; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 8.2 ;

; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 7.5 ;

; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 8.2 ;

; OTHER INFORMATION: SWISSPROT HIT: Q9NQ5, EVALUATE 3.00e-45 ;

; OTHER INFORMATION: US-10-029-386-2774 ;

; Query Match 100.0%; Score 44; DB 10; Length 7; ;

; Best Local Similarity 100.0%; Pred. No. 7.2e+0; Mismatches 0; Indels 0; Gaps 0; ;

; SEQ ID NO: 2 ;

; LENGTH: 7 ;

; TYPE: PRT ;

; ORGANISM: Artificial Sequence ;

; FEATURE: ;

; OTHER INFORMATION: synthetic construct ;

; OTHER INFORMATION: US-09-910-582B-2 ;

; Query Match 100.0%; Score 44; DB 10; Length 7; ;

; Best Local Similarity 100.0%; Pred. No. 7.2e+0; Mismatches 0; Indels 0; Gaps 0; ;

; SEQ ID NO: 1 ;

; LENGTH: 7 ;

; TYPE: PRT ;

; ORGANISM: Helicobacter pylori ;

RESULT 3

; Sequence 38, Application US/09881752A

; GENERAL INFORMATION: ;

; APPLICANT: Kleantous, Harold ;

; APPLICANT: Al-Gaairi, Amal ;

; APPLICANT: Miller, Charles ;

; APPLICANT: Tomb, Jean-Francois ;

; TITLE OF INVENTION: Identification of Polynucleotides

; TITLE OF INVENTION: Encoding No. US20020115078A1

; TITLE OF INVENTION: Helicobacter Polypeptides in the

; FILE REFERENCE: 06132/041002

; CURRENT APPLICATION NUMBER: US/09/881,752A

; CURRENT FILING DATE: 2001-06-15

; PRIORITY NUMBER: US 08/833,457

; PRIORITY FILING DATE: 1997-04-01

; NUMBER OF SEQ ID NOS: 370

; SOFTWARE: Fast-SEQ for Windows Version 4.0

; SEQ ID NO: 38 ;

; LENGTH: 480 ;

; TYPE: PRT ;

; ORGANISM: Helicobacter pylori ;

; Sequence 38, Application US-09-881-752A-38

; Query Match 84.1%; Score 37; DB 9; Length 480; ;

; Best Local Similarity 71.4%; Pred. No. 2.4e+02; Mismatches 5; Conservative 1; Indels 0; Gaps 0; ;

; SEQ ID NO: 1 ;

; LENGTH: 480 ;

; TYPE: PRT ;

; ORGANISM: Helicobacter pylori ;

RESULT 4

; Sequence Match 84.1%; Score 37; DB 9; Length 480; ;

; Best Local Similarity 71.4%; Pred. No. 2.4e+02; Mismatches 5; Conservative 1; Indels 0; Gaps 0; ;

; SEQ ID NO: 1 ;

; LENGTH: 480 ;

; TYPE: PRT ;

; ORGANISM: Helicobacter pylori ;

RESULT 5

; Sequence 1419, Application US/09925300

; GENERAL INFORMATION: ;

; APPLICANT: Steve Ruben ;

; APPLICANT: Craig Rosen, ;

; APPLICANT: Steve Ruben, ;

; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies

; FILE REFERENCE: PA101

; CURRENT APPLICATION NUMBER: US/09/925,300

; CURRENT FILING DATE: 2001-08-10

; PRIORITY NUMBER: PCT/US00/05988

; PRIORITY FILING DATE: 2000-03-08

; PRIORITY NUMBER: 60/124,270

; PRIORITY FILING DATE: 1999-03-12

; NUMBER OF SEQ ID NOS: 1890

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO: 1419 ;

; LENGTH: 280 ;

; TYPE: PRT ;

; ORGANISM: Homo sapiens ;

; Sequence 1419, Application US-09-925-300-1419

; Query Match 83.8%; Score 36; DB 9; Length 280; ;

; Best Local Similarity 83.3%; Pred. No. 2.2e+02; Mismatches 5; Conservative 1; Indels 0; Gaps 0; ;

; SEQ ID NO: 1 ;

; LENGTH: 280 ;

; TYPE: PRT ;

; ORGANISM: Homo sapiens ;

RESULT 6

; Sequence Match 83.8%; Score 36; DB 9; Length 280; ;

; Best Local Similarity 83.3%; Pred. No. 2.2e+02; Mismatches 5; Conservative 1; Indels 0; Gaps 0; ;

; SEQ ID NO: 1 ;

; LENGTH: 280 ;

; TYPE: PRT ;

; ORGANISM: Homo sapiens ;

RESULT 7

; Sequence Match 83.8%; Score 36; DB 9; Length 280; ;

; Best Local Similarity 83.3%; Pred. No. 2.2e+02; Mismatches 5; Conservative 1; Indels 0; Gaps 0; ;

; SEQ ID NO: 1 ;

; LENGTH: 280 ;

; TYPE: PRT ;

; ORGANISM: Homo sapiens ;

RESULT 8

; Sequence Match 83.8%; Score 36; DB 9; Length 280; ;

; Best Local Similarity 83.3%; Pred. No. 2.2e+02; Mismatches 5; Conservative 1; Indels 0; Gaps 0; ;

; SEQ ID NO: 1 ;

; LENGTH: 280 ;

; TYPE: PRT ;

; ORGANISM: Homo sapiens ;

RESULT 9

; Sequence Match 83.8%; Score 36; DB 9; Length 280; ;

; Best Local Similarity 83.3%; Pred. No. 2.2e+02; Mismatches 5; Conservative 1; Indels 0; Gaps 0; ;

; SEQ ID NO: 1 ;

; LENGTH: 280 ;

; TYPE: PRT ;

; ORGANISM: Homo sapiens ;

RESULT 10

; Sequence Match 83.8%; Score 36; DB 9; Length 280; ;

; Best Local Similarity 83.3%; Pred. No. 2.2e+02; Mismatches 5; Conservative 1; Indels 0; Gaps 0; ;

; SEQ ID NO: 1 ;

; LENGTH: 280 ;

; TYPE: PRT ;

; ORGANISM: Homo sapiens ;

RESULT 11

; Sequence Match 83.8%; Score 36; DB 9; Length 280; ;

; Best Local Similarity 83.3%; Pred. No. 2.2e+02; Mismatches 5; Conservative 1; Indels 0; Gaps 0; ;

; SEQ ID NO: 1 ;

; LENGTH: 280 ;

; TYPE: PRT ;

; ORGANISM: Homo sapiens ;

RESULT 12

; Sequence Match 83.8%; Score 36; DB 9; Length 280; ;

; Best Local Similarity 83.3%; Pred. No. 2.2e+02; Mismatches 5; Conservative 1; Indels 0; Gaps 0; ;

; SEQ ID NO: 1 ;

; LENGTH: 280 ;

; TYPE: PRT ;

; ORGANISM: Homo sapiens ;

RESULT 13

; Sequence Match 83.8%; Score 36; DB 9; Length 280; ;

; Best Local Similarity 83.3%; Pred. No. 2.2e+02; Mismatches 5; Conservative 1; Indels 0; Gaps 0; ;

; SEQ ID NO: 1 ;

; LENGTH: 280 ;

; TYPE: PRT ;

; ORGANISM: Homo sapiens ;

RESULT 14

; Sequence Match 83.8%; Score 36; DB 9; Length 280; ;

; Best Local Similarity 83.3%; Pred. No. 2.2e+02; Mismatches 5; Conservative 1; Indels 0; Gaps 0; ;

; SEQ ID NO: 1 ;

; LENGTH: 280 ;

; TYPE: PRT ;

; ORGANISM: Homo sapiens ;

RESULT 15

; Sequence Match 83.8%; Score 36; DB 9; Length 280; ;

; Best Local Similarity 83.3%; Pred. No. 2.2e+02; Mismatches 5; Conservative 1; Indels 0; Gaps 0; ;

; SEQ ID NO: 1 ;

; LENGTH: 280 ;

; TYPE: PRT ;

; ORGANISM: Homo sapiens ;

RESULT 16

; Sequence Match 83.8%; Score 36; DB 9; Length 280; ;

; Best Local Similarity 83.3%; Pred. No. 2.2e+02; Mismatches 5; Conservative 1; Indels 0; Gaps 0; ;

; SEQ ID NO: 1 ;

; LENGTH: 280 ;

; TYPE: PRT ;

; ORGANISM: Homo sapiens ;

RESULT 17

; Sequence Match 83.8%; Score 36; DB 9; Length 280; ;

; Best Local Similarity 83.3%; Pred. No. 2.2e+02; Mismatches 5; Conservative 1; Indels 0; Gaps 0; ;

; SEQ ID NO: 1 ;

; LENGTH: 280 ;

; TYPE: PRT ;

; ORGANISM: Homo sapiens ;

RESULT 18

; Sequence Match 83.8%; Score 36; DB 9; Length 280; ;

; Best Local Similarity 83.3%; Pred. No. 2.2e+02; Mismatches 5; Conservative 1; Indels 0; Gaps 0; ;

; SEQ ID NO: 1 ;

; LENGTH: 280 ;

; TYPE: PRT ;

; ORGANISM: Homo sapiens ;

RESULT 19

; Sequence Match 83.8%; Score 36; DB 9; Length 280; ;

; Best Local Similarity 83.3%; Pred. No. 2.2e+02; Mismatches 5; Conservative 1; Indels 0; Gaps 0; ;

; SEQ ID NO: 1 ;

; LENGTH: 280 ;

; TYPE: PRT ;

; ORGANISM: Homo sapiens ;

RESULT 20

; Sequence Match 83.8%; Score 36; DB 9; Length 280; ;

; Best Local Similarity 83.3%; Pred. No. 2.2e+02; Mismatches 5; Conservative 1; Indels 0; Gaps 0; ;

; SEQ ID NO: 1 ;

; LENGTH: 280 ;

; TYPE: PRT ;

; ORGANISM: Homo sapiens ;

RESULT 21

; Sequence Match 83.8%; Score 36; DB 9; Length 280; ;

; Best Local Similarity 83.3%; Pred. No. 2.2e+02; Mismatches 5; Conservative 1; Indels 0; Gaps 0; ;

; SEQ ID NO: 1 ;

; LENGTH: 280 ;

; TYPE: PRT ;

; ORGANISM: Homo sapiens ;

RESULT 22

; Sequence Match 83.8%; Score 36; DB 9; Length 280; ;

; Best Local Similarity 83.3%; Pred. No. 2.2e+02; Mismatches 5; Conservative 1; Indels 0; Gaps 0; ;

; SEQ ID NO: 1 ;

; LENGTH: 280 ;

; TYPE: PRT ;

; ORGANISM: Homo sapiens ;

RESULT 23

; Sequence Match 83.8%; Score 36; DB 9; Length 280; ;

; Best Local Similarity 83.3%; Pred. No. 2.2e+02; Mismatches 5; Conservative 1; Indels 0; Gaps 0; ;

; SEQ ID NO: 1 ;

; LENGTH: 280 ;

; TYPE: PRT ;

; ORGANISM: Homo sapiens ;

RESULT 24

; Sequence Match 83.8%; Score 36; DB 9; Length 280; ;

; Best Local Similarity 83.3%; Pred. No. 2.2e+02; Mismatches 5; Conservative 1; Indels 0; Gaps 0; ;

; SEQ ID NO: 1 ;

; LENGTH: 280 ;

; TYPE: PRT ;

; ORGANISM: Homo sapiens ;

RESULT 25

; Sequence Match 83.8%; Score 36; DB 9; Length 280; ;

; Best Local Similarity 83.3%; Pred. No. 2.2e+02; Mismatches 5; Conservative 1; Indels 0; Gaps 0; ;

; SEQ ID NO: 1 ;

; LENGTH: 280 ;

; TYPE: PRT ;

; ORGANISM: Homo sapiens ;

RESULT 26

; Sequence Match 83.8%; Score 36; DB 9; Length 280; ;

; Best Local Similarity 83.3%; Pred. No. 2.2e+02; Mismatches 5; Conservative 1; Indels 0; Gaps 0; ;

; SEQ ID NO: 1 ;

; LENGTH: 280 ;

; TYPE: PRT ;

; ORGANISM: Homo sapiens ;

RESULT 27

; Sequence Match 83.8%; Score 36; DB 9; Length 280; ;

; Best Local Similarity 83.3%; Pred. No. 2.2e+02; Mismatches 5; Conservative 1; Indels 0; Gaps 0; ;

; SEQ ID NO: 1 ;

; LENGTH: 280 ;

; TYPE: PRT ;

; ORGANISM: Homo sapiens ;

RESULT 28

; Sequence Match 83.8%; Score 36; DB 9; Length 280; ;

; Best Local Similarity 83.3%; Pred. No. 2.2e+02; Mismatches 5; Conservative 1; Indels 0; Gaps 0; ;

; SEQ ID NO: 1 ;

; LENGTH: 280 ;

RESULT 8
 US-10-431-273-48
 ; Sequence 48, Application US/10431273
 ; Publication No. US20030237108A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Demmer, Jeron
 ; APPLICANT: Shenk, Michael Andrew
 ; APPLICANT: Glenn, Matthew
 ; APPLICANT: No. US20030237108A1
 ; APPLICANT: No. US20030237108A1
 ; APPLICANT: Saulsbury, Keith Martin
 ; APPLICANT: Hall, Claire

Query Match 79.5%; Score 35; DB 14; Length 416;
 Best Local Similarity 71.4%; Pred. No. 4.5e+02; 1; Indels 0; Gaps 0;
 Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
 Qy 1 GGGVFWQ 7
 Db 372 GGNLFWQ 378

RESULT 7
 US-10-369-493-3089
 ; Sequence 3089, Application US/10369493
 ; Publication No. US20030233675A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Cao, Yongwei
 ; APPLICANT: Hirkle, Gregory J.
 ; APPLICANT: Slater, Steven C.
 ; APPLICANT: Goldman, Barry S.
 ; APPLICANT: Chen, Xianfang
 ; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
 ; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
 ; FILE REFERENCE: 38-10/52052B
 ; CURRENT APPLICATION NUMBER: US10/369,493
 ; CURRENT FILING DATE: 2003-02-28
 ; PRIOR APPLICATION NUMBER: US 60/360,039
 ; PRIOR FILING DATE: 2002-02-21
 ; SEQ ID NO: 3089
 ; LENGTH: 445
 ; TYPE: PRT
 ; ORGANISM: Neurospora crassa
 ; FEATURE:
 ; NAME/KEY: unsure
 ; LOCATION: (1)..(445)
 ; OTHER INFORMATION: unsure at all xaa locations

Query Match 79.5%; Score 35; DB 15; Length 637;
 Best Local Similarity 71.4%; Pred. No. 6.7e+02; 0; Indels 0; Gaps 0;
 Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 GGGVFWQ 7
 Db 27 GGSVWWR 33

RESULT 9
 US-09-815-242-10132
 ; Sequence 10132, Application US/09815242
 ; Patent No. US20020051569A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Hasselbeck, Robert
 ; APPLICANT: Ohlsen, Kari L.
 ; APPLICANT: Zyskind, Judith W.
 ; APPLICANT: Wall, Daniel
 ; APPLICANT: Trawick, John D.
 ; APPLICANT: Carr, Grant J.
 ; APPLICANT: Yamamoto, Robert T.
 ; APPLICANT: Xu, H. Howard
 ; TITLE OF INVENTION: Identification of Essential Genes in
 ; FILE REFERENCE: 8117RA.01A
 ; CURRENT APPLICATION NUMBER: US/09/815,242
 ; CURRENT FILING DATE: 2001-03-21
 ; PRIOR APPLICATION NUMBER: 60/191,078
 ; PRIOR FILING DATE: 2000-03-21
 ; PRIOR APPLICATION NUMBER: 60/206,848
 ; PRIOR FILING DATE: 2000-05-23
 ; PRIOR APPLICATION NUMBER: 60/207,727
 ; PRIOR FILING DATE: 2000-05-26
 ; PRIOR APPLICATION NUMBER: 60/242,578
 ; PRIOR FILING DATE: 2000-10-23
 ; PRIOR APPLICATION NUMBER: 60/253,625
 ; PRIOR FILING DATE: 2000-11-27
 ; PRIOR APPLICATION NUMBER: 60/257,931
 ; PRIOR FILING DATE: 2000-12-22
 ; PRIOR APPLICATION NUMBER: 60/269,308
 ; PRIOR FILING DATE: 2001-02-16
 ; NUMBER OF SEQ ID NOS: 1410
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 10132
 ; LENGTH: 729
 ; TYPE: PRT
 ; ORGANISM: Escherichia coli

RESULT 10
 US-09-815-242-10132
 ; Sequence 10132, Application US/09815242
 ; Patent No. US20020051569A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Denmer, Jeron
 ; APPLICANT: Shenk, Michael Andrew
 ; APPLICANT: Glenn, Matthew
 ; APPLICANT: No. US20030237108A1
 ; APPLICANT: No. US20030237108A1
 ; APPLICANT: Saulsbury, Keith Martin
 ; APPLICANT: Hall, Claire

Query Match 79.5%; Score 35; DB 9; Length 729;
 Best Local Similarity 85.7%; Pred. No. 7.6e+02; 1; Indels 0; Gaps 0;
 Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
 Qy 1 GGGVFWQ 7
 Db 649 GGGVWWR 655

US-10-369-493-7266
 ; Sequence 7266, Application US/10369493
 ; Publication No. US20030233675A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Cao, Yongwei
 ; APPLICANT: Hinkle, Gregory J.
 ; APPLICANT: Slater, Steven C.
 ; APPLICANT: Chen, Xianfeng
 ; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
 ; PLANTS WITH IMPROVED PROPERTIES
 ; FILE REFERENCE: 38-10(52052)B
 ; CURRENT APPLICATION NUMBER: US/10/369, 493
 ; CURRENT FILING DATE: 2003-02-28
 ; PRIORITY APPLICATION NUMBER: US 60/360, 039
 ; PRIORITY FILING DATE: 2002-02-21
 ; NUMBER OF SEQ ID NOS: 47374
 ; SEQ ID NO: 7266
 ; LENGTH: 150
 ; TYPE: PRT
 ; ORGANISM: Burkholderia cepacia
 ; US-10-369-493-7266

Query Match 77.3%; Score 34; DB 15; Length 150;

Best Local Similarity 83.3%; Pred. No. 2.6e+02; 1; Indels 0; Gaps 0;
 Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GGGVFW 6
 Db 6 GGCFW 11

RESULT 11
 US-10-369-493-4508

; Sequence 4508, Application US/10369493
 ; Publication No. US20030233675A1
 ; GENERAL INFORMATION:

; APPLICANT: Cao, Yongwei
 ; APPLICANT: Hinkle, Gregory J.
 ; APPLICANT: Slater, Steven C.
 ; APPLICANT: Goldman, Barry S.
 ; APPLICANT: Chen, Xianfeng

; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
 ; PLANTS WITH IMPROVED PROPERTIES
 ; FILE REFERENCE: 38-10(52052)B
 ; CURRENT APPLICATION NUMBER: US/10/369, 493
 ; CURRENT FILING DATE: 2003-02-28
 ; PRIORITY APPLICATION NUMBER: US 60/360, 039
 ; PRIORITY FILING DATE: 2002-02-21
 ; NUMBER OF SEQ ID NOS: 47374
 ; SEQ ID NO: 4508
 ; LENGTH: 173
 ; TYPE: PRT
 ; ORGANISM: Burkholderia fungorum
 ; US-10-369-493-4508

PRIOR FILING DATE: 2002-02-21

; NUMBER OF SEQ ID NOS: 47374
 ; SEQ ID NO: 4508
 ; LENGTH: 173
 ; TYPE: PRT
 ; ORGANISM: Burkholderia fungorum
 ; US-10-369-493-4508

Query Match 77.3%; Score 34; DB 15; Length 173;

Best Local Similarity 83.3%; Pred. No. 3e+02; 1; Indels 0; Gaps 0;
 Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GGGVFW 6
 Db 6 GGCFW 11

RESULT 12
 US-10-369-493-8677

; Sequence 8677, Application US/10369493
 ; Publication No. US20030233675A1
 ; GENERAL INFORMATION:

; APPLICANT: Cao, Yongwei
 ; APPLICANT: Hinkle, Gregory J.
 ; APPLICANT: Slater, Steven C.

; US-10-369-493-8677

Query Match 77.3%; Score 34; DB 15; Length 173;

Best Local Similarity 83.3%; Pred. No. 3e+02; 1; Indels 0; Gaps 0;
 Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GGGVFW 6
 Db 6 GGCFW 11

RESULT 13
 US-10-369-493-18610

; Sequence 18610, Application US/10369493
 ; Publication No. US20030233675A1
 ; GENERAL INFORMATION:

; APPLICANT: Cao, Yongwei
 ; APPLICANT: Hinkle, Gregory J.
 ; APPLICANT: Slater, Steven C.
 ; APPLICANT: Goldman, Barry S.

; US-10-369-493-18610

Query Match 77.3%; Score 34; DB 15; Length 174;

Best Local Similarity 83.3%; Pred. No. 3e+02; 1; Indels 0; Gaps 0;
 Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GGGVFW 6
 Db 6 GGCFW 11

RESULT 14
 US-10-101-464A-702

; Sequence 702, Application US/10101464A
 ; Publication No. US20030046728A1
 ; GENERAL INFORMATION:

; APPLICANT: Strabala, Timothy
 ; APPLICANT: Nieuwenhuizen, Nicolaas
 ; APPLICANT: Higgins, Colleen M.

; US-10-101-464A-702

Query Match 77.3%; Score 34; DB 15; Length 177;

Best Local Similarity 83.3%; Pred. No. 3e+02; 1; Indels 0; Gaps 0;
 Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GGGVFW 6
 Db 9 GGCFW 14

RESULT 15
 US-10-101-464A-702

; Sequence 702, Application US/10101464A
 ; Publication No. US20030046728A1
 ; GENERAL INFORMATION:

; APPLICANT: Strabala, Timothy
 ; APPLICANT: Nieuwenhuizen, Nicolaas
 ; APPLICANT: Higgins, Colleen M.

; US-10-101-464A-702

Query Match 77.3%; Score 34; DB 15; Length 177;

Best Local Similarity 83.3%; Pred. No. 3e+02; 1; Indels 0; Gaps 0;
 Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GGGVFW 6
 Db 9 GGCFW 14

PRIOR APPLICATION NUMBER: 09/228, 986
PRIOR FILING DATE: 1993-01-12
PRIOR APPLICATION NUMBER: 60/162, 866
PRIOR FILING DATE: 1993-11-01
PRIOR APPLICATION NUMBER: PCT/US07/00724
PRIOR FILING DATE: 2000-01-11
NUMBER OF SEQ ID NOS: 989
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO: 702
LENGTH: 238
TYPE: PRT
ORGANISM: *Pinus radiata*
US-10-101-464A-702

RESULT 15
US-10-002-631C-122
; Sequence 122, Application US/0002631C
; Publication No. US20030157486A1
; GENERAL INFORMATION:
; APPLICANT: Graff, Jonathon M.
; APPLICANT: Muenster, Matthew
; TITLE OF INVENTION: METHODS TO IDENTIFY SIGNAL SEQUENCES
; FILE REFERENCE: A34943 030495.0243
; CURRENT APPLICATION NUMBER: US/10/002,631C
; CURRENT FILING DATE: 2001-10-31
; PRIOR APPLICATION NUMBER: 60/300,309
; PRIOR FILING DATE: 2001-06-21
; NUMBER OF SEQ ID NOS: 324
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 122
; LENGTH: 278
; TYPE: PRT
; ORGANISM: *Homo sapiens*
; FEATURE:
; NAME/KEY: UNSURE
; LOCATION: (1)..(269)
; OTHER INFORMATION: Xaa = any amino acid

US-10-002-631C-122

Query Match 77.3%; Score 34; DB 14; Length 278;
Best Local Similarity 83.3%; Score 4.6e+02; Pred. No. 4e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 2 GGVFWQ 7
Dy |||||:
Dy 241 GGVFWR 246

Search completed: March 1, 2004, 17:16:43
Job time : 23.1951 secs

GenCore version 5.1.6
(c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: March 1, 2004, 16:52:59 ; Search time 10.9268 seconds
(without alignments) 33.073 Million cell updates/sec

Title: US-09-910-582B-3
Perfect score: 43
Sequence: 1 HGRVRPH 7

Scoring table: BLOSUM62
Gapext 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA:*

1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep: *
2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep: *
3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep: *
4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep: *
5: /cgn2_6/ptodata/2/iaa/6C_PCTUS_COMB.pep: *
6: /cgn2_6/ptodata/2/iaa/backfiled.pep: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	43	100.0	7	4 US-09-326-718-3	Sequence 3, Appli
2	35	81.4	156	4 US-09-252-991A-21289	Sequence 21289, A
3	35	81.4	425	4 US-09-252-991A-20301	Sequence 20831, A
4	34	79.1	373	4 US-09-252-991A-28902	Sequence 28902, A
5	34	79.1	436	4 US-09-252-991A-20256	Sequence 20256, A
6	34	79.1	791	1 US-09-190-802A-49	Sequence 49, Appli
7	34	79.1	605	3 US-09-190-805-50-5	Sequence 5, Appli
8	34	79.1	605	3 US-08-477-346-49	Sequence 49, Appli
9	34	79.1	605	4 US-08-477-348-49	Sequence 49, Appli
10	34	79.1	875	4 US-09-481-072A-49	Sequence 49, Appli
11	34	79.1	875	4 US-09-252-991A-30056	Sequence 30056, A
12	33	76.7	213	4 US-09-252-991A-23391	Sequence 23391, A
13	33	76.7	225	4 US-09-645-055-54	Sequence 54, Appli
14	33	76.7	511	4 US-09-252-991A-22789	Sequence 22789, A
15	32	74.4	19	4 US-09-122-3150-13	Sequence 13, Appli
16	32	74.4	19	4 US-09-360-376-1	Sequence 1, Appli
17	32	74.4	167	4 US-09-252-991A-25456	Sequence 25456, A
18	32	74.4	211	4 US-09-252-991A-26756	Sequence 26756, A
19	32	74.4	233	4 US-09-360-76-55	Sequence 55, Appli
20	32	74.4	272	4 US-09-250-991A-24088	Sequence 24088, A
21	32	74.4	282	4 US-09-360-376-54	Sequence 54, Appli
22	32	74.4	284	4 US-09-252-991A-17772	Sequence 1772, A
23	32	74.4	285	3 US-09-990-035b-1	Sequence 1, Appli
24	32	74.4	302	4 US-09-252-991A-27021	Sequence 27021, A
25	32	74.4	304	4 US-09-252-991A-22166	Sequence 22165, A
26	32	74.4	304	4 US-09-252-991A-32503	Sequence 32503, A
27	32	74.4	323	4 US-09-122-315C-18	Sequence 18, Appli

ALIGNMENTS

RESULT 1

US-09-326-718-3

; Sequence 3, Application US/09326718

; Patent No. 6303573

GENERAL INFORMATION:

; APPLICANT: Ruoslahti, Erika A.

; APPLICANT: Mackenna, Deidre A.

; TITLE OF INVENTION: Heart Homing Peptides and Methods of

; TITLE OF INVENTION: Using Same

; FILE REFERENCE: P-1J 3512

; CURRENT APPLICATION NUMBER: US/09-326,718

; CURRENT FILING DATE: 1999-05-07

; NUMBER OF SEQ ID NOS: 15

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO: 3

; LENGTH: 7

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Synthetic construct

; US-09-326-718-3

Query Match 100 %; Score 43; DB 4; Length 7;
Best Local Similarity 100.0%; Pred. No. 3e+05; Mismatches 0; Indels 0; Gaps 0;

QY 1 HGRVRPH 7

Db 1 HGRVRPH 7

; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenstein et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 10196.136
; CURRENT APPLICATION NUMBER: US/09-252-991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074, 788
; PRIOR FILING DATE: 1998-02-18

; PRIOR APPLICATION NUMBER: US 60/094, 190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO: 21289
; LENGTH: 156
; TYPE: PRT

; ORGANISM: *Pseudomonas aeruginosa*
US-09-252-991A-21289

RESULT 3
US-09-252-991A-20831 Application US/09252991A
; Sequence 20056, Application US/09252991A
; Patent No. 6551755
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196-136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 20256
; LENGTH: 425
; TYPE: PRT
; ORGANISM: *Pseudomonas aeruginosa*
US-09-252-991A-20831

Query Match 81.4%; Score 35; DB 4; Length 425;
Best Local Similarity 100.0%; Pred. No. 23;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 2 GRYVRPH 7
Db 228 GRYVRPH 233

RESULT 4
US-09-252-991A-28902
; Sequence 28902, Application US/09252991A
; Patent No. 6551755
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196-136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 233
; LENGTH: 425
; TYPE: PRT
; ORGANISM: *Pseudomonas aeruginosa*
US-09-252-991A-28902

Query Match 81.4%; Score 35; DB 4; Length 425;
Best Local Similarity 100.0%; Pred. No. 23;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 2 GRYVRPH 7
Db 228 GRYVRPH 233

RESULT 5
US-09-252-991A-20256
; Sequence 49, Application US/08190802A
; Patent No. 5519003
; GENERAL INFORMATION:
; APPLICANT: Machly-Rosen, Daria
; APPLICANT: Ron, Dorit
; TITLE OF INVENTION: WD-40 - Derived Peptides and Uses
; TITLE OF INVENTION: Thereof
; NUMBER OF SEQUENCES: 265
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dehlinger & Associates
; STREET: P.O. Box 60550
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306-0850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/190,802A
; FILING DATE: 01-FEB-1994
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Fabian, Gary R.
; REGISTRATION NUMBER: 33,875
; REFERENCE/DOCKET NUMBER: 8600-0139
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 324-0880
; TELEFAX: (415) 324-0960
; INFORMATION FOR SEQ ID NO: 49:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 605 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; ANTI-SENSE: NO

Query Match 79.1%; Score 34; DB 4; Length 373;
Best Local Similarity 83.3%; Pred. No. 31;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Qy 1 HGRVRP 6
Db 355 HGRVRP 360

ORIGINAL SOURCE: ;
; INDIVIDUAL ISOLATE: insulin-like growth factor binding
; INDIVIDUAL ISOLATE: protein complex, Fig. 32
; US-08-190-802A-49

Query Match 79.1%; Score 34; DB 1; Length 605;
; Best Local Similarity 83.3%; Pred. No. 53; Mismatches 0; Indels 0; Gaps 0;
; Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 GRVRPH 7
; Db 399 GRVRPH 404

RESULT 7
; US-09-063-950-5
; Sequence 5, Application US/09063950C
; Patent No. 6220985

GENERAL INFORMATION:
; APPLICANT: Holtzman, Douglas A.
; TITLE OF INVENTION: NOVEL LRG PROTEIN AND NUCLEIC ACID MOLECULES AND USES
; FILE REFERENCE: MEI-019

CURRENT APPLICATION NUMBER: US/09/063 950C
; CURRENT FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NCS: 9
; SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 5
; LENGTH: 605
; TYPE: PRT
; ORGANISM: Papilio hamadryas
; US-09-063-950-5

Query Match 79.1%; Score 34; DB 3; Length 605;
; Best Local Similarity 83.3%; Pred. No. 53; Mismatches 0; Indels 0; Gaps 0;
; Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 GRVRPH 7
; Db 399 GRVRPH 404

RESULT 8
; US-08-477-346-49
; Sequence 49, Application US/08477346
; Patent No. 6262023

GENERAL INFORMATION:
; APPLICANT: Ron, Dorit
; APPLICANT: Mochly-Rosen, Daria
; APPLICANT: Ron, Dorit
; TITLE OF INVENTION: WD-40 - Derived Peptides and Uses
; TITLE OF INVENTION: Thereof
; NUMBER OF SEQUENCES: 265

CORRESPONDENCE ADDRESS:
; ADDRESSEE: Morrison & Foerster
; STREET: 2000 Pennsylvania Avenue, NW
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20006-1812

COMPUTER READABLE FORM:
; COMPUTER: IBM PC compatible
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATE:
; APPLICATION NUMBER: US/08/477,089
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: MURASHIGE, KATE H.
; REGISTRATION NUMBER: 29,959
; REFERENCE/DOCKET NUMBER: 2550-0025.22

TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 887-1500
; TELEFAX: (202) 887-0763

INFORMATION FOR SEQ ID NO: 49:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 605 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: Protein
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE: ;
; INDIVIDUAL ISOLATE: insulin-like growth factor binding
; US-08-473-089-49

RESULT 9
; US-08-473-089-49
; Sequence 49, Application US/08473089
; Patent No. 6242368

GENERAL INFORMATION:
; APPLICANT: Mochly-Rosen, Daria
; APPLICANT: Ron, Dorit
; TITLE OF INVENTION: WD-40 - Derived Peptides and Uses
; TITLE OF INVENTION: Thereof
; NUMBER OF SEQUENCES: 265

CORRESPONDENCE ADDRESS:
; ADDRESSEE: Morrison & Foerster
; STREET: 2000 Pennsylvania Avenue, NW
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20006-1812

COMPUTER READABLE FORM:
; COMPUTER: Floppy disk
; COMPUTER: IBM PC compatible
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATE:
; APPLICATION NUMBER: US/08/473,089
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: MURASHIGE, KATE H.
; REGISTRATION NUMBER: 29,959
; REFERENCE/DOCKET NUMBER: 2550-0025.22

TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 887-1500
; TELEFAX: (202) 887-0763

INFORMATION FOR SEQ ID NO: 49:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 605 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: Protein
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE: ;
; INDIVIDUAL ISOLATE: insulin-like growth factor binding
; US-08-473-089-49

Query Match 79.1%; Score 34; DB 4; Length 605;
 Best Local Similarity 83.3%; Pred. No. 53; Mismatches 0; Indels 0; Gaps 0;
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 2 GRVRPH 7
 Db 399 GRIRPH 404

RESULT 10

US-08-487-072A-49
 Sequence 49, Application US/08487072A
 Patent No. 642368

GENERAL INFORMATION:
 APPLICANT: Mochni-Rosen, Daria
 TITLE OF INVENTION: MD-40 - Derived Peptides and Uses
 NUMBER OF INVENTION: Therof
 NUMBER OF SEQUENCES: 265
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Morrison & Foerster
 STREET: 2000 Pennsylvania Avenue, NW
 CITY: Washington
 STATE: DC
 COUNTRY: USA
 ZIP: 20006-1812

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
 CURRENT APPLICATION NUMBER: US/08/487,072A
 FILING DATE: 07-JUN-1995
 CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:
 NAME: MURASHIGE, KATE H.
 REGISTRATION NUMBER: 29,959

TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202) 887-1800

TELEFAX: (202) 887-0733

INFORMATION FOR SEQ ID NO: 49:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 605 amino acids

TYPE: amino acid
 TOPLOGY: unknown

MOLECULE TYPE: protein
 HYPOTHETICAL: NO
 ANTI-SENSE: NO

ORIGINAL SOURCE:
 INDIVIDUAL ISOLATE: Insulin-like growth factor binding protein complex, Fig. 32
 US-08-487-072A-49

Query Match 79.1%; Score 34; DB 4; Length 605;
 Best Local Similarity 83.3%; Pred. No. 53; Mismatches 0; Indels 0; Gaps 0;
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 2 GRVRPH 7
 Db 399 GRIRPH 404

RESULT 12

US-09-252-991A-23391
 Sequence 23391, Application US/09252991A
 Patent No. 655195

GENERAL INFORMATION:
 APPLICANT: Marc J. Rubenfield et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS FILE REFERENCE: 107196.136

CURRENT APPLICATION NUMBER: US/09/252,991A

CURRENT FILING DATE: 1999-02-18

PRIOR APPLICATION NUMBER: US 60/074,788

PRIOR FILING DATE: 1998-02-18

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142

SEQ ID NO 30056

LENGTH: 875

TYPE: PRT

ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-30056
 Sequence 30056, Application US/09252991A
 Patent No. 659701

GENERAL INFORMATION:

APPLICANT: CLARITY BIOSCIENCES, INC.

APPLICANT: Horwitz, Rhonda

APPLICANT: McClelland, Michael

TITLE OF INVENTION: IDENTIFYING ORGANISMS BY DETECTING INTONIC NUCLEIC ACIDS OR ENCODED PROTEINS FILE REFERENCE: 47542200100

CURRENT APPLICATION NUMBER: US/09/645,055

CURRENT FILING DATE: 2000-08-23

PRIOR APPLICATION NUMBER: US 60/150,977

PRIOR FILING DATE: 1999-08-25

NUMBER OF SEQ ID NOS: 59

SEQ ID NO 54

LENGTH: 225

TYPE: PRT

US-09-252-991A-23391
 Sequence 23391, Application US/09252991A
 Patent No. 655195

GENERAL INFORMATION:
 APPLICANT: Marc J. Rubenfield et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS FILE REFERENCE: 107196.136

CURRENT APPLICATION NUMBER: US/09/252,991A

CURRENT FILING DATE: 1999-02-18

PRIOR APPLICATION NUMBER: US 60/074,788

PRIOR FILING DATE: 1998-02-18

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142

SEQ ID NO 30056

LENGTH: 875

TYPE: PRT

US-09-252-991A-30056
 Sequence 30056, Application US/09252991A
 Patent No. 659701

GENERAL INFORMATION:

APPLICANT: CLARITY BIOSCIENCES, INC.

APPLICANT: Horwitz, Rhonda

APPLICANT: McClelland, Michael

TITLE OF INVENTION: IDENTIFYING ORGANISMS BY DETECTING INTONIC NUCLEIC ACIDS OR ENCODED PROTEINS FILE REFERENCE: 47542200100

CURRENT APPLICATION NUMBER: US/09/645,055

CURRENT FILING DATE: 2000-08-23

PRIOR APPLICATION NUMBER: US 60/150,977

PRIOR FILING DATE: 1999-08-25

NUMBER OF SEQ ID NOS: 59

SEQ ID NO 54

LENGTH: 225

TYPE: PRT

US-09-252-991A-30056
 Sequence 30056, Application US/09252991A
 Patent No. 659701

GENERAL INFORMATION:

APPLICANT: Marc J. Rubenfield et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS FILE REFERENCE: 107196.136

CURRENT APPLICATION NUMBER: US/09/252,991A

CURRENT FILING DATE: 1999-02-18

PRIOR APPLICATION NUMBER: US 60/074,788

PRIOR FILING DATE: 1998-02-18

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142

SEQ ID NO 30056

LENGTH: 875

TYPE: PRT

US-09-252-991A-30056
 Sequence 30056, Application US/09252991A
 Patent No. 659701

GENERAL INFORMATION:

APPLICANT: CLARITY BIOSCIENCES, INC.

APPLICANT: Horwitz, Rhonda

APPLICANT: McClelland, Michael

TITLE OF INVENTION: IDENTIFYING ORGANISMS BY DETECTING INTONIC NUCLEIC ACIDS OR ENCODED PROTEINS FILE REFERENCE: 47542200100

CURRENT APPLICATION NUMBER: US/09/645,055

CURRENT FILING DATE: 2000-08-23

PRIOR APPLICATION NUMBER: US 60/150,977

PRIOR FILING DATE: 1999-08-25

NUMBER OF SEQ ID NOS: 59

SEQ ID NO 54

LENGTH: 225

TYPE: PRT

US-09-252-991A-30056
 Sequence 30056, Application US/09252991A
 Patent No. 659701

GENERAL INFORMATION:

APPLICANT: Marc J. Rubenfield et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS FILE REFERENCE: 107196.136

CURRENT APPLICATION NUMBER: US/09/252,991A

CURRENT FILING DATE: 1999-02-18

PRIOR APPLICATION NUMBER: US 60/074,788

PRIOR FILING DATE: 1998-02-18

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142

SEQ ID NO 30056

LENGTH: 875

TYPE: PRT

US-09-252-991A-30056
 Sequence 30056, Application US/09252991A
 Patent No. 659701

GENERAL INFORMATION:

APPLICANT: CLARITY BIOSCIENCES, INC.

APPLICANT: Horwitz, Rhonda

APPLICANT: McClelland, Michael

TITLE OF INVENTION: IDENTIFYING ORGANISMS BY DETECTING INTONIC NUCLEIC ACIDS OR ENCODED PROTEINS FILE REFERENCE: 47542200100

CURRENT APPLICATION NUMBER: US/09/645,055

CURRENT FILING DATE: 2000-08-23

PRIOR APPLICATION NUMBER: US 60/150,977

PRIOR FILING DATE: 1999-08-25

NUMBER OF SEQ ID NOS: 59

SEQ ID NO 54

LENGTH: 225

TYPE: PRT

US-09-252-991A-30056
 Sequence 30056, Application US/09252991A
 Patent No. 659701

GENERAL INFORMATION:

APPLICANT: Marc J. Rubenfield et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS FILE REFERENCE: 107196.136

CURRENT APPLICATION NUMBER: US/09/252,991A

CURRENT FILING DATE: 1999-02-18

PRIOR APPLICATION NUMBER: US 60/074,788

PRIOR FILING DATE: 1998-02-18

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142

SEQ ID NO 30056

LENGTH: 875

TYPE: PRT

US-09-252-991A-30056
 Sequence 30056, Application US/09252991A
 Patent No. 659701

GENERAL INFORMATION:

APPLICANT: CLARITY BIOSCIENCES, INC.

APPLICANT: Horwitz, Rhonda

APPLICANT: McClelland, Michael

TITLE OF INVENTION: IDENTIFYING ORGANISMS BY DETECTING INTONIC NUCLEIC ACIDS OR ENCODED PROTEINS FILE REFERENCE: 47542200100

CURRENT APPLICATION NUMBER: US/09/645,055

CURRENT FILING DATE: 2000-08-23

PRIOR APPLICATION NUMBER: US 60/150,977

PRIOR FILING DATE: 1999-08-25

NUMBER OF SEQ ID NOS: 59

SEQ ID NO 54

LENGTH: 225

TYPE: PRT

US-09-252-991A-30056
 Sequence 30056, Application US/09252991A
 Patent No. 659701

GENERAL INFORMATION:

APPLICANT: Marc J. Rubenfield et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS FILE REFERENCE: 107196.136

CURRENT APPLICATION NUMBER: US/09/252,991A

CURRENT FILING DATE: 1999-02-18

PRIOR APPLICATION NUMBER: US 60/074,788

PRIOR FILING DATE: 1998-02-18

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142

SEQ ID NO 30056

LENGTH: 875

TYPE: PRT

US-09-252-991A-30056
 Sequence 30056, Application US/09252991A
 Patent No. 659701

GENERAL INFORMATION:

APPLICANT: CLARITY BIOSCIENCES, INC.

APPLICANT: Horwitz, Rhonda

APPLICANT: McClelland, Michael

TITLE OF INVENTION: IDENTIFYING ORGANISMS BY DETECTING INTONIC NUCLEIC ACIDS OR ENCODED PROTEINS FILE REFERENCE: 47542200100

CURRENT APPLICATION NUMBER: US/09/645,055

CURRENT FILING DATE: 2000-08-23

PRIOR APPLICATION NUMBER: US 60/150,977

PRIOR FILING DATE: 1999-08-25

NUMBER OF SEQ ID NOS: 59

SEQ ID NO 54

LENGTH: 225

TYPE: PRT

US-09-252-991A-30056
 Sequence 30056, Application US/09252991A
 Patent No. 659701

GENERAL INFORMATION:

APPLICANT: CLARITY BIOSCIENCES, INC.

APPLICANT: Horwitz, Rhonda

APPLICANT: McClelland, Michael

TITLE OF INVENTION: IDENTIFYING ORGANISMS BY DETECTING INTONIC NUCLEIC ACIDS OR ENCODED PROTEINS FILE REFERENCE: 47542200100

CURRENT APPLICATION NUMBER: US/09/645,055

CURRENT FILING DATE: 2000-08-23

PRIOR APPLICATION NUMBER: US 60/150,977

PRIOR FILING DATE: 1999-08-25

NUMBER OF SEQ ID NOS: 59

SEQ ID NO 54

LENGTH: 225

TYPE: PRT

US-09-252-991A-30056
 Sequence 30056, Application US/09252991A
 Patent No. 659701

GENERAL INFORMATION:

APPLICANT: CLARITY BIOSCIENCES, INC.

APPLICANT: Horwitz, Rhonda

APPLICANT: McClelland, Michael

TITLE OF INVENTION: IDENTIFYING ORGANISMS BY DETECTING INTONIC NUCLEIC ACIDS OR ENCODED PROTEINS FILE REFERENCE: 47542200100

CURRENT APPLICATION NUMBER: US/09/645,055

CURRENT FILING DATE: 2000-08-23

PRIOR APPLICATION NUMBER: US 60/150,977

PRIOR FILING DATE: 1999-08-25

NUMBER OF SEQ ID NOS: 59

SEQ ID NO 54

LENGTH: 225

TYPE: PRT

US-09-252-991A-30056
 Sequence 30056, Application US/09252991A

; ORGANISM: Tilletia indica
; US-09-645-055-54

Query Match 76.7%; Score 33; DB 4; Length 225;
Best Local Similarity 71.4%; Pred. No. 29;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 HGRVRPH 7
Db 150 NGKVRPH 156

RESULT 14

US-09-252-991A-22789

; Sequence 22789, Application US/09252991A

; Patent No. 6551795

; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfeld et al.
; TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

; FILE REFERENCE: 107196 136

; CURRENT APPLICATION NUMBER: US/09/252, 991A

; CURRENT FILING DATE: 1999-02-18

; PRIOR APPLICATION NUMBER: US 50/074, 788

; PRIOR FILING DATE: 1998-02-18

; PRIOR APPLICATION NUMBER: US 60/094, 190

; PRIOR FILING DATE: 1998-07-27

; NUMBER OF SEQ ID NOS: 33142

; SEQ ID NO 2289

; LENGTH: 511

; TYPE: RT

; ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-22789

Query Match 76.7%; Score 33; DB 4; Length 511;
Best Local Similarity 71.4%; Pred. No. 71;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 HGRVRPH 7
Db 231 HGLURPH 237

RESULT 15

US-09-122-315C-13

; Sequence 13, Application US/09122315C

; GENERAL INFORMATION:

; APPLICANT: Michael W. Lasner

; APPLICANT: Diane Ruzinsky
; TITLE OF INVENTION: Plant Phosphatidic Acid Phosphatases

; FILE REFERENCE: 17026007/US

; CURRENT APPLICATION NUMBER: US/09/122,315C

; CURRENT FILING DATE: 1998-07-24

; NUMBER OF SEQ ID NOS: 18

; SOFTWARE: IBM PC; Windows NT 4.0; Microsoft Word for Windows 7.0a

; SEQ ID NO 13

; LENGTH: 19

; TYPE: RT

; ORGANISM: artificial sequence

; FEATURE:

; OTHER INFORMATION: conserved region of PAP related amino acid sequence
; NAME/KEY: unsure
; LOCATION: (1)..(19)
; OTHER INFORMATION: unsure at all Xaa locations
US-09-122-315C-13

Query Match 74.4%; Score 32; DB 4; Length 19;
Best Local Similarity 83.3%; Pred. No. 3;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GRVPH 7
Db 150 NGKVRPH 156

Db 9 GRLRPH 14

Search completed: March 1, 2004, 16:59:05
Job time : 10.9268 secs

GenCore version 5.1.6 AP
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OM protein - protein search, using sw model

Run on: March 1, 2004, 16:57:09 ; Search time 22.1951 Seconds
 (without alignments)
 66.594 Million cell updates/sec

Title: US-09-910-582B-3
 Perfect score: 43
 Sequence: 1 HGRVRPH 7

Scoring table: BLOSUM62

Gapct 10.0 , Gapext 0.5

Searched: 809742 seqs, 21153259 residues

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
 Maximum Match 100%
 Listing first 45 summaries

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18: /cgns_6/prodata/1/pubpa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Length	DB ID	Description
1	43	100.0	7	9 US-09-782-650-2	Sequence 2, Appli
2	43	100.0	7	10 US-09-910-582B-3	Sequence 3, Appli
3	81.4	90	9	US-09-764-887-157	Sequence 157, Appli
4	81.4	90	14	US-10-073-961-157	Sequence 157, Appli
5	81.4	419	15	US-10-369-493-16720	Sequence 16720, A
6	79.1	512	15	US-09-369-493-16721	Sequence 19281, A
7	79.1	605	9	US-09-789-980-62	Sequence 62, Appli
8	76.7	100	15	US-10-073-410-87	Sequence 87, Appli
9	74.4	86	9	US-09-867-550-486	Sequence 486, Appli
10	74.4	249	15	US-10-369-493-17326	Sequence 17326, A
11	74.4	308	10	US-09-934-455-30	Sequence 30, Appli
12	74.4	308	10	US-0-225-068-230	Sequence 230, Appli
13	74.4	308	15	US-0-0-374-780-268	Sequence 268, Appli
14	74.4	318	15	US-10-369-493-6893	Sequence 6893, Appli
15	74.4	344	15	US-10-094-749-2951	Sequence 2951, Appli

ALIGNMENTS

RESULT 1

US-09-782-650-2

; Sequence 2, Application US/09782650

; Patent No. US2002019350A1

; GENERAL INFORMATION:

; APPLICANT: Levine, Arnold J.

; APPLICANT: Mittner, Artur J.

; APPLICANT: Falkner, Falko-Guenther

; APPLICANT: Scheiflinger, Friedrich

; APPLICANT: Doerner, Friedrich

; APPLICANT: Edwards Lifesciences Corporation

; FILE REFERENCE: Targeted Angiogenesis

; CURRENT APPLICATION NUMBER: US/09/782,650

; CURRENT FILING DATE: 2001-03-12

; PRIOR APPLICATION NUMBER: US 09/327,045

; PRIOR FILING DATE: 1999-06-01

; PRIOR APPLICATION NUMBER: US 09/327,045

; PRIOR FILING DATE: 1999-06-07

; PRIOR APPLICATION NUMBER: PCT/US00/141988

; PRIOR FILING DATE: 2000-05-31

; NUMBER OF SEQ ID NOS: 24

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 2

; LENGTH: 7

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence:targeting

; OTHER INFORMATION: molecule

; US-09-782-650-2

Query Match 100.0%; Score 43; DB 9; Length 7;

Best Local Similarity 100.0%; Pred. No. 7.1e-05;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 HGRVRPH 7

|||||||

Db 1 HGRVRPH 7

TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

FILE REFERENCE: FA13C1 CURRENT APPLICATION NUMBER: US/10/073, 961

CURRENT FILING DATE: 2002-03-05

PRIOR APPLICATION NUMBER: 09/764, 887

PRIOR FILING DATE: 2001-11-17

; Sequence 3, Application US/09910582B

; Publication No. US0030045476A1

; GENERAL INFORMATION:

; APPLICANT: Russlanti, Erkki

; TITLE OF INVENTION: Heart Homing Conjugates

; FILE REFERENCE: P-0J 4857

; CURRENT APPLICATION NUMBER: US/09/910, 582B

; CURRENT FILING DATE: 2001-07-20

; PRIOR APPLICATION NUMBER: US 09/326, 718

; PRIOR FILING DATE: 1999-06-07

; NUMBER OF SEQ ID NOS: 15

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO: 3

; LENGTH: 7

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Synthetic construct

US-09-910-582B-3

RESULT 3

Query Match 100.0%; Score 43; DB 10; Length 7;

Best Local Similarity 100.0%; Pred. No. 7.1e+0; Mismatches

Matches 7; Conservative 0; Indels 0; Gaps 0;

QY 1 HGRVRPH 7

Db 1 HGRVRPH 7

; Sequence 157, Application US/09764887

; Patent No. US20020042096A1

; GENERAL INFORMATION:

; APPLICANT: Rosen et al.

; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

; FILE REFERENCE: PA113

; CURRENT APPLICATION NUMBER: US/09/764, 887

; CURRENT FILING DATE: 2001-01-17

; PRIOR application data removed - consult PALM or file wrapper

; NUMBER OF SEQ ID NOS: 658

; SOFTWARE: Patent Ver. 2.0

; SEQ ID NO: 157

; LENGTH: 90

; TYPE: PRT

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: SITE

; LOCATION: (16)

; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

US-09-764-887-157

Query Match 81.4%; Score 35; DB 9; Length 90;

Best Local Similarity 71.4%; Pred. No. 32; Mismatches

5; Conservative 1; Indels 1; Gaps 0;

QY 1 HGRVRPH 7

Db 73 HGQTRPH 79

RESULT 4

US-10-073, 961-157

; Sequence 157, Application US/10073961

; Publication No. US20030077602A1

; GENERAL INFORMATION:

; APPLICANT: Rosen et al.

PRIOR FILING DATE: 2000-09-01
 PRIOR APPLICATION NUMBER: 60/234, 997
 PRIOR FILING DATE: 2000-09-25
 PRIOR APPLICATION NUMBER: 60/229, 343
 PRIOR FILING DATE: 2000-09-01
 PRIOR APPLICATION NUMBER: 60/229, 345
 PRIOR FILING DATE: 2000-09-01
 PRIOR APPLICATION NUMBER: 60/229, 287
 PRIOR FILING DATE: 2000-09-01
 PRIOR APPLICATION NUMBER: 60/229, 513
 PRIOR FILING DATE: 2000-05-05
 PRIOR APPLICATION NUMBER: 60/231, 413
 PRIOR FILING DATE: 2000-09-08
 PRIOR APPLICATION NUMBER: 60/229, 509
 PRIOR FILING DATE: 2000-09-05
 PRIOR APPLICATION NUMBER: 60/236, 367
 PRIOR FILING DATE: 2000-09-29
 PRIOR APPLICATION NUMBER: 60/237, 039
 PRIOR FILING DATE: 2000-10-02
 PRIOR APPLICATION NUMBER: 60/237, 038
 PRIOR FILING DATE: 2000-10-02
 PRIOR APPLICATION NUMBER: 60/236, 370
 PRIOR FILING DATE: 2000-09-29
 PRIOR APPLICATION NUMBER: 60/237, 039
 PRIOR FILING DATE: 2000-10-02
 PRIOR APPLICATION NUMBER: 60/237, 037
 PRIOR FILING DATE: 2000-10-02
 PRIOR APPLICATION NUMBER: 60/236, 370
 PRIOR FILING DATE: 2000-09-29
 PRIOR APPLICATION NUMBER: 60/236, 802
 PRIOR FILING DATE: 2000-10-20
 PRIOR APPLICATION NUMBER: 60/239, 935
 PRIOR FILING DATE: 2000-10-13
 PRIOR APPLICATION NUMBER: 60/237, 040
 PRIOR FILING DATE: 2000-10-02
 PRIOR APPLICATION NUMBER: 60/240, 960
 PRIOR FILING DATE: 2000-10-20
 PRIOR APPLICATION NUMBER: 60/239, 935
 PRIOR FILING DATE: 2000-10-13
 PRIOR APPLICATION NUMBER: 60/237, 040
 PRIOR FILING DATE: 2000-10-13
 PRIOR APPLICATION NUMBER: 60/240, 960
 PRIOR FILING DATE: 2000-10-20
 PRIOR APPLICATION NUMBER: 60/246, 474
 PRIOR FILING DATE: 2000-11-08
 PRIOR APPLICATION NUMBER: 60/239, 937
 PRIOR FILING DATE: 2000-10-13
 PRIOR APPLICATION NUMBER: 60/241, 787
 PRIOR FILING DATE: 2000-10-20
 PRIOR APPLICATION NUMBER: 60/246, 474
 PRIOR FILING DATE: 2000-11-17
 PRIOR APPLICATION NUMBER: 60/249, 210
 PRIOR FILING DATE: 2000-11-08
 PRIOR APPLICATION NUMBER: 60/246, 532
 PRIOR FILING DATE: 2000-11-08
 PRIOR APPLICATION NUMBER: 60/249, 216
 PRIOR FILING DATE: 2000-11-17
 PRIOR APPLICATION NUMBER: 60/249, 210
 PRIOR FILING DATE: 2000-05-22
 PRIOR APPLICATION NUMBER: 60/225, 759
 PRIOR FILING DATE: 2000-08-14
 PRIOR APPLICATION NUMBER: 60/225, 213
 PRIOR FILING DATE: 2000-08-14
 PRIOR APPLICATION NUMBER: 60/227, 182
 PRIOR FILING DATE: 2000-08-22
 PRIOR APPLICATION NUMBER: 60/225, 214
 PRIOR FILING DATE: 2000-08-14
 PRIOR APPLICATION NUMBER: 60/225, 836
 PRIOR FILING DATE: 2000-03-27
 PRIOR APPLICATION NUMBER: 60/230, 438
 PRIOR FILING DATE: 2000-09-05
 PRIOR APPLICATION NUMBER: 60/215, 135
 PRIOR FILING DATE: 2000-06-30
 PRIOR APPLICATION NUMBER: 60/225, 266
 PRIOR FILING DATE: 2000-08-14
 PRIOR APPLICATION NUMBER: 60/249, 218
 PRIOR FILING DATE: 2000-11-17
 PRIOR APPLICATION NUMBER: 60/249, 208
 PRIOR FILING DATE: 2000-11-17
 PRIOR APPLICATION NUMBER: 60/249, 213
 PRIOR FILING DATE: 2000-11-17
 PRIOR APPLICATION NUMBER: 60/249, 212
 PRIOR FILING DATE: 2000-11-17
 PRIOR APPLICATION NUMBER: 60/249, 207
 PRIOR FILING DATE: 2000-11-17
 PRIOR APPLICATION NUMBER: 60/249, 214
 PRIOR FILING DATE: 2000-11-17
 PRIOR APPLICATION NUMBER: 60/249, 211
 PRIOR FILING DATE: 2000-11-17
 PRIOR APPLICATION NUMBER: 60/249, 215
 PRIOR FILING DATE: 2000-11-17
 PRIOR APPLICATION NUMBER: 60/249, 217
 PRIOR FILING DATE: 2000-11-17
 PRIOR APPLICATION NUMBER: 60/249, 214
 PRIOR FILING DATE: 2000-11-17
 PRIOR APPLICATION NUMBER: 60/249, 297
 PRIOR FILING DATE: 2000-11-17
 PRIOR APPLICATION NUMBER: 60/232, 400
 PRIOR FILING DATE: 2000-09-14
 PRIOR APPLICATION NUMBER: 60/231, 242
 PRIOR FILING DATE: 2000-09-08
 PRIOR APPLICATION NUMBER: 60/249, 081
 PRIOR FILING DATE: 2000-09-08
 PRIOR APPLICATION NUMBER: 60/232, 080
 PRIOR FILING DATE: 2000-09-08
 PRIOR APPLICATION NUMBER: 60/231, 414
 PRIOR FILING DATE: 2000-09-08
 PRIOR APPLICATION NUMBER: 60/232, 397
 PRIOR FILING DATE: 2000-09-14
 PRIOR APPLICATION NUMBER: 60/233, 064
 PRIOR FILING DATE: 2000-09-14
 PRIOR APPLICATION NUMBER: 60/233, 399
 PRIOR FILING DATE: 2000-10-20
 PRIOR APPLICATION NUMBER: 60/232, 401
 PRIOR FILING DATE: 2000-09-14
 PRIOR APPLICATION NUMBER: 60/241, 808
 PRIOR FILING DATE: 2000-10-20
 PRIOR APPLICATION NUMBER: 60/241, 826
 PRIOR FILING DATE: 2000-10-20
 PRIOR APPLICATION NUMBER: 60/241, 786
 PRIOR FILING DATE: 2000-10-20
 PRIOR APPLICATION NUMBER: 60/241, 221
 PRIOR FILING DATE: 2000-10-20
 PRIOR APPLICATION NUMBER: 60/246, 475
 PRIOR FILING DATE: 2000-11-08
 PRIOR APPLICATION NUMBER: 60/231, 243
 PRIOR FILING DATE: 2000-09-08
 RESULT 5
 US-10-369-493-16720
 ; Sequence 16720, Application US/10369493
 ; Publication No. US20030233675A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Cao, Youwei
 ; APPLICANT: Hinke, Gregory J.
 ; APPLICANT: Slater, Steven C.
 ; APPLICANT: Goldman, Barry S.
 ; APPLICANT: Chen, Xianteng
 ; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
 ; FILE REFERENCE: 38-10(52052)B

```

; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 16720
; LENGTH: 419
; TYPE: PRT
; ORGANISM: Bacillus thuringiensis
; US-10-369-493-16720

Query Match 81.4%; Score 35; DB 15; Length 419;
Best Local Similarity 100.0%; Pred. No. 1.4e+02; Mismatches 0; Indels 0; Gaps 0;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 GRVRPH 7
Db 151 GRVRPH 156

RESULT 6
US-10-369-493-19281
; Sequence 19281, Application US/10369493
; Publication No. US20030336759A1

GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldstein, Barry S.
; APPLICANT: Chen, Xianteng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10152052B
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US/10/369,493
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 19281
; LENGTH: 512
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
; US-10-369-493-19281

Query Match 79.1%; Score 34; DB 15; Length 512;
Best Local Similarity 71.4%; Pred. No. 2.5e-02; Mismatches 1; Indels 0; Gaps 0;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 HGVVRPH 7
Db 10 HQQVEPH 16

RESULT 7
US-09-782-980-62
; Sequence 62, Application US/09782980
; Patent No. US2002072089A1
; GENERAL INFORMATION:
; APPLICANT: Khodaboust, Mehran M.
; APPLICANT: MacBeth, Kyle J.
; APPLICANT: Busfield, Samantha J.
; APPLICANT: McCarthy, Sean A.
; APPLICANT: Holtzman, Douglas A.
; APPLICANT: Gu, Wei
; APPLICANT: White, David
; APPLICANT: Pan, Yang
; TITLE OF INVENTION: NOVEL IPMT, LOR-2, STRIFE, TRASH, BDFP, LRSG, AND
; TITLE OF INVENTION: THEREFOR
; FILE REFERENCE: MAI-121CP
; CURRENT APPLICATION NUMBER: US/09/782,980
; CURRENT FILING DATE: 2001-02-13
; PRIOR APPLICATION NUMBER: PCT/US00/02125

Query Match 81.4%; Score 35; DB 15; Length 419;
Best Local Similarity 100.0%; Pred. No. 1.4e+02; Mismatches 0; Indels 0; Gaps 0;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 GRVRPH 7
Db 151 GRVRPH 156

RESULT 6
US-10-369-493-19281
; Sequence 19281, Application US/10369493
; Publication No. US20030336759A1

GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldstein, Barry S.
; APPLICANT: Chen, Xianteng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10152052B
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US/10/369,493
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 19281
; LENGTH: 512
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
; US-10-369-493-19281

Query Match 79.1%; Score 34; DB 15; Length 512;
Best Local Similarity 71.4%; Pred. No. 2.5e-02; Mismatches 1; Indels 0; Gaps 0;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 HGVVRPH 7
Db 10 HQQVEPH 16

RESULT 7
US-10-369-493-19281
; Sequence 19281, Application US/10369493
; Publication No. US20030336759A1

GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldstein, Barry S.
; APPLICANT: Chen, Xianteng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10152052B
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US/10/369,493
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 19281
; LENGTH: 512
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
; US-10-369-493-19281

Query Match 79.1%; Score 34; DB 15; Length 512;
Best Local Similarity 71.4%; Pred. No. 2.5e-02; Mismatches 1; Indels 0; Gaps 0;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 HGVVRPH 7
Db 10 HQQVEPH 16

RESULT 8
US-10-131-410-87
; Sequence 87, Application US/10131410
; Publication No. US20030235915A1

GENERAL INFORMATION:
; APPLICANT: SPECHT, THOMAS
; APPLICANT: HINMANN, BREND
; APPLICANT: SCHMITT, ARMIN
; APPLICANT: PILARSKY, CHRISTIAN
; APPLICANT: DAHL, EDGAR
; APPLICANT: ROSENTHAL, ANDRE
; TITLE OF INVENTION: HUMAN NUCLEIC ACID SEQUENCES FROM TISSUE OF BREAST
; TITLE OF INVENTION: TUMORS
; FILE REFERENCE: SCH-1763
; CURRENT APPLICATION NUMBER: US/10/131,410
; CURRENT FILING DATE: 2002-04-25
; PRIOR APPLICATION NUMBER: 09/646,673
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: PCT/DE99/00908
; PRIOR FILING DATE: 1999-03-19
; NUMBER OF SEQ ID NOS: 202
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 87
; LENGTH: 100
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-131-410-87

Query Match 79.1%; Score 34; DB 9; Length 605;
Best Local Similarity 83.3%; Pred. No. 3e-02; Mismatches 1; Indels 0; Gaps 0;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 GRVRPH 7
Db 399 GRIRPH 404

```

Best Local Similarity 71.4%; Pred. No. 82; Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0; Qy 2 GRVPH 7 ; Db 10 GKVPH 15

RESULT 9 US-09-867-550-486

; Sequence 486, Application US/09867550

; Patent No. US20020082206A1

; GENERAL INFORMATION:

; APPLICANT: Leach, Martin D.

; APPLICANT: Mehraban, Ruad

; APPLICANT: Conley, Pamela

; APPLICANT: Law, Debbie

; APPLICANT: Topper, James

; TITLE OF INVENTION: No. US20020082206A1 Polynucleotides from Atherogenic Cells and

; TITLE OF INVENTION: Therby

; FILE REFERENCE: 21402-013 (Cura-313)

; CURRENT APPLICATION NUMBER: US/09/867,550

; CURRENT FILING DATE: 2001-09-20

; PRIOR APPLICATION NUMBER: USN 60/1208,427

; PRIOR FILING DATE: 2000-05-30

; NUMBER OF SEQ ID NOS: 2125

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO: 486

; LENGTH: 86

; TYPE: PRT

; ORGANISM: Homo sapiens

; FEATURE: NAME/KEY: VARIANT

; LOCATION: (13)

; OTHER INFORMATION: wherein Xaa may be any one of Arg or Ile or Lys or Thr

US-09-867-550-486

RESULT 10 Query Match 74.4%; Score 32; DB 9; Length 86; Best Local Similarity 71.4%; Pred. No. 1.1e+02; Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0; Qy 1 HGRVPH 7 ; Db 34 HGRMRDH 40

US-10-369-493-17326

Publication No. US20030233675A1

; GENERAL INFORMATION:

; APPLICANT: Cao, Yongwei

; APPLICANT: Hinkie, Gregory J.

; APPLICANT: Slaver, Steven C.

; APPLICANT: Goldman, Barry S.

; APPLICANT: Chen, Xianteng

; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF PLANTS WITH IMPROVED PROPERTIES

; FILE REFERENCE: 38-10/52052B

; CURRENT APPLICATION NUMBER: US/10/369,493

; CURRENT FILING DATE: 2003-02-28

; PRIOR APPLICATION NUMBER: US 60/360,039

; PRIOR FILING DATE: 2002-02-21

; NUMBER OF SEQ ID NOS: 47374

; SEQ ID NO: 17326

; LENGTH: 249

; TYPE: PRT

; ORGANISM: Bacillus halodurans

US-10-369-493-17326

Query Match 74.4%; Score 32; DB 15; Length 249; Best Local Similarity 83.3%; Pred. No. 3e+02; Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0; Qy 2 GRVPH 7 ; Db 10 GKVPH 15

RESULT 11 US-09-934-455-30

; Sequence 30, Application US/09934455

; Publication No. US20030121070A1

; GENERAL INFORMATION:

; APPLICANT: Adam, Luc

; APPLICANT: Creelman, Robert

; APPLICANT: Dubell, Arnold

; APPLICANT: Heard, Jacqueline

; APPLICANT: Jiang, Cai-Zhong

; APPLICANT: Keddie, James

; APPLICANT: Pilgrim, Marsha

; APPLICANT: Ratcliffe, Oliver

; APPLICANT: Reuber, Lynne

; APPLICANT: Riechmann, Jose Luis

; APPLICANT: Yu, Guo-Liang

; APPLICANT: Pineda, Omaira

; TITLE OF INVENTION: Genes for Modifying Plant Traits IV

; FILE REFERENCE: MBI-0025

; CURRENT APPLICATION NUMBER: US/09/934,455

; CURRENT FILING DATE: 2001-08-22

; PRIOR APPLICATION NUMBER: 60/227439

; PRIOR FILING DATE: 2000-08-22

; PRIOR APPLICATION NUMBER: MBI-0022

; PRIOR FILING DATE: 2001-11-16

; PRIOR APPLICATION NUMBER: MBI-0023

; PRIOR FILING DATE: 2001-04-17

; NUMBER OF SEQ ID NOS: 516

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO: 30

; LENGTH: 308

; TYPE: PRT

; ORGANISM: Arabidopsis thaliana

US-09-934-455-30

RESULT 12 Query Match 74.4%; Score 32; DB 10; Length 308; Best Local Similarity 71.4%; Pred. No. 3.7e+02; Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0; Qy 1 HGRVPH 7 ; Db 127 HGVPH 133

US-10-225-068-230

; Sequence 230, Application US/10225068

; Publication No. US/030217383A1

; GENERAL INFORMATION:

; APPLICANT: Mendel Biotechnology, Inc.

; APPLICANT: Rauber, T. Lynne

; APPLICANT: Riechmann, Jose Luis

; APPLICANT: Heard, Jacqueline E.

; APPLICANT: Jiang, Cai-Zhong

; APPLICANT: Adam, Luc J.

; APPLICANT: Dubell, Arnold T.

; APPLICANT: Ratcliffe, Oliver

; APPLICANT: Pineda, Omaira

; APPLICANT: Yu, Guo-Liang

; APPLICANT: Brown, Pierre E.

; TITLE OF INVENTION: STRESS-RELATED POLYNUCLEOTIDES AND POLYPEPTIDES IN PLANTS

; FILE REFERENCE: 5144200240

; CURRENT APPLICATION NUMBER: US/10/225,068

; CURRENT FILING DATE: 2002-08-09

; PRIOR APPLICATION NUMBER: 60/310,847

; PRIOR FILING DATE: 2001-08-09

US-10-369-493-17326

PRIOR APPLICATION NUMBER: 6/0/336,049
 PRIOR FILING DATE: 2001-11-19
 PRIOR APPLICATION NUMBER: 6/0/338,692
 PRIOR FILING DATE: 2001-12-11
 PRIOR APPLICATION NUMBER: 10/0/71,468
 PRIOR FILING DATE: 2002-06-14
 NUMBER OF SEQ ID NOS: 246
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 330
 LENGTH: 308
 TYPE: PRT
 ORGANISM: *Arabidopsis thaliana*
 FEATURE: DOMAIN
 NAME/KEY: DOMAIN
 LOCATION: (174)..(226)
 OTHER INFORMATION: Conserved domain
 US-10-225-068-230

RESULT 13
 Query Match 74.4%; Score 32; DB 15; Length 308;
 Best Local Similarity 71.4%; Pred. No. 3.7e+02;
 Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 Publication No. US/2004/019927A1
 GENERAL INFORMATION:
 APPLICANT: Sherman, Bradley K
 APPLICANT: Riccimann, Jose Luis
 APPLICANT: Heard, Jacqueline E
 APPLICANT: Haake, Volker
 APPLICANT: Creelman, Robert A
 APPLICANT: Ratcliffe, Oliver
 APPLICANT: Adam, Luc J
 APPLICANT: Reuber, T. Lynne
 APPLICANT: Keddie, James
 APPLICANT: Brown, Pierre E
 APPLICANT: Pilgrim, Marsha L
 APPLICANT: Dubell, T. Arnold T
 APPLICANT: Pineda, Omaira
 APPLICANT: Yu, Guo-Liang
 TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES IN PLANTS
 FILE REFERENCE: MB-0047.CIP
 CURRENT APPLICATION NUMBER: US/10/374,780A
 CURRENT FILING DATE: 2003-02-25
 PRIOR APPLICATION NUMBER: 09/1837,944
 PRIOR FILING DATE: 2001-04-18
 PRIOR APPLICATION NUMBER: 6/0/310,847
 PRIOR FILING DATE: 2001-08-09
 PRIOR APPLICATION NUMBER: 09/1934,455
 PRIOR FILING DATE: 2001-08-22
 PRIOR APPLICATION NUMBER: 6/0/336,049
 PRIOR FILING DATE: 2001-11-19
 PRIOR APPLICATION NUMBER: 6/0/338,692
 PRIOR FILING DATE: 2001-12-11
 PRIOR APPLICATION NUMBER: 10/0/71,468
 PRIOR FILING DATE: 2002-06-14
 PRIOR APPLICATION NUMBER: 10/225,068
 PRIOR FILING DATE: 2002-08-09
 PRIOR APPLICATION NUMBER: 10/225,067
 PRIOR FILING DATE: 2002-08-09
 PRIOR APPLICATION NUMBER: 10/225,068
 PRIOR FILING DATE: 2002-08-09
 NUMBER OF SEQ ID NOS: 2906
 SOFTWARE: Patentin version 3.2
 SEQ ID NO: 268
 LENGTH: 308

RESULT 14
 Query Match 74.4%; Score 32; DB 15; Length 308;
 Best Local Similarity 71.4%; Pred. No. 3.7e+02;
 Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 Publication No. US/2003/0233675A1
 GENERAL INFORMATION:
 APPLICANT: Cao, Yongwei
 APPLICANT: Hinkle, Gregory J.
 APPLICANT: Slater, Steven C.
 APPLICANT: Goldmann, Barry S.
 APPLICANT: Chen, Xianfeng
 TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
 CURRENT APPLICATION NUMBER: US/10/369,493
 FILE REFERENCE: 38-10 (52052)B
 PRIOR APPLICATION NUMBER: US/10/360,039
 PRIOR FILING DATE: 2002-02-21
 NUMBER OF SEQ ID NOS: 47374
 SEQ ID NO: 6893
 LENGTH: 318
 TYPE: PRT
 ORGANISM: *Caenorhabditis elegans*
 US-10-369-493-6893

RESULT 15
 Query Match 74.4%; Score 32; DB 15; Length 318;
 Best Local Similarity 83.3%; Pred. No. 3.8e+02;
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
 Publication No. US/2003/0219741A1
 GENERAL INFORMATION:
 APPLICANT: ISOGAI, TAKAO
 APPLICANT: SUGIYAMA, TOMOYASU
 APPLICANT: OTSUKI, TETSUJI
 APPLICANT: WAKAMATSU, AI
 APPLICANT: SATO, HIROYUKI
 APPLICANT: ISHII, SHIZUKO
 APPLICANT: YAMAMOTO, JUNN-ICHI
 APPLICANT: ISONO, YUKO
 APPLICANT: HIO, YURI
 APPLICANT: OISUKA, KAORU
 APPLICANT: NAGAI, KEIICHI
 APPLICANT: IRIE, RYOTARO
 APPLICANT: TAMECHIKA, ICHIRO
 APPLICANT: SAKAI, NAOKO
 APPLICANT: YOSHIKAWA, TSUTOMU
 APPLICANT: OISUKA, MOTOKI
 APPLICANT: MAGAHARI, KENJI
 APPLICANT: MASUHO, YASUHIKO
 TITLE OF INVENTION: NOVEL FULL-LENGTH cDNA
 FILE REFERENCE: 084335/0160

; CURRENT APPLICATION NUMBER: US/10/094,749
; CURRENT FILING DATE: 2002-03-12
; PRIOR APPLICATION NUMBER: 60/350,435
; PRIOR FILING DATE: 2002-01-24
; PRIOR APPLICATION NUMBER: JP 2001-328381
; PRIOR FILING DATE: 2001-09-14
; NUMBER OF SEQ ID NOS: 3381
; SOFTWARE: PatentIn Ver. 2.1
; SEC ID NO: 2951
; LENGTH: 344
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-094-749-2951

Query Match 74.4%; Score 32; DB 15; Length 344;
Best Local Similarity 71.4%; Pred. No. 4.1e+02;
Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1 HGRYRPH 7
Db 184 HGGARPH 190

Search completed: March 1, 2004, 17:16:44
Job time : 23.1951 secs

US-09-134-001C-3766 ; ORGANISM: *Staphylococcus epidermidis* ; RESULT 5 ; US-09-593-887-24 ; Sequence 24, Application US/09593887 ; Patent No. 660914 ; GENERAL INFORMATION: ; APPLICANT: Polysusavy, Alexander ; APPLICANT: Luchinskaya, Natalia ; TITLE OF INVENTION: CAMELLO GENE FAMILY AND USES THEREOF ; FILE REFERENCE: 63475/258 ; CURRENT APPLICATION NUMBER: US/09/593, 887 ; CURRENT FILING DATE: 2000-06-14 ; PRIOR APPLICATION NUMBER: US 09/333, 229 ; PRIOR FILING DATE: 1999-06-14 ; NUMBER OF SEQ ID NOS: 26 ; SOFTWARE: Patentin version 3.0 ; SEQ ID NO 24 ; LENGTH: 228 ; TYPE: PRT ; ORGANISM: *Rattus sp.* ; US-09-593-887-24

Query Match 86.2%; Score 25; DB 4; Length 108; Best Local Similarity 71.4%; Pred. No. 1e+02; 0; Indels 0; Gaps 0; ; Sequence 31768, Application US/09252991A ; Patent No. 6551795 ; GENERAL INFORMATION: ; APPLICANT: Marc J. Rubenfeld et al. ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO *PSEUDOMONAS* ; FILE REFERENCE: 107196-136 ; CURRENT APPLICATION NUMBER: US/09/252, 991A ; CURRENT FILING DATE: 1999-02-18 ; PRIOR APPLICATION NUMBER: US 60/074, 788 ; PRIOR FILING DATE: 1999-02-18 ; PRIOR APPLICATION NUMBER: US 60/094, 190 ; PRIOR FILING DATE: 1998-07-27 ; NUMBER OF SEQ ID NOS: 33142 ; SEQ ID NO 31768 ; LENGTH: 165 ; TYPE: PRT ; ORGANISM: *Pseudomonas aeruginosa* ; US-09-252-991A-31768

RESULT 4 ; US-09-134-001C-5256 ; Sequence 5256, Application US/09134001C ; Patent No. 6380370 ; GENERAL INFORMATION: ; APPLICANT: Lydi Doucette-Stamm et al. ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO *STAPHYLOCOCCUS* ; FILE REFERENCE: GTC-007 ; CURRENT APPLICATION NUMBER: US/09/134, 001C ; CURRENT FILING DATE: 1998-08-13 ; PRIOR APPLICATION NUMBER: US 60/064, 954 ; PRIOR FILING DATE: 1997-11-08 ; PRIOR APPLICATION NUMBER: US 60/055, 779 ; PRIOR FILING DATE: 1997-08-14 ; NUMBER OF SEQ ID NOS: 5674 ; SEQ ID NO 5256 ; LENGTH: 108 ; TYPE: PRT ; ORGANISM: *Staphylococcus epidermidis* ; US-09-134-001C-5256

Query Match 86.2%; Score 25; DB 4; Length 108; Best Local Similarity 71.4%; Pred. No. 2.3e+02; 0; Indels 0; Gaps 0; ; Sequence 115, Application US/09252991A ; Patent No. 6551795 ; GENERAL INFORMATION: ; APPLICANT: Marc J. Rubenfeld et al. ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO *PSEUDOMONAS* ; FILE REFERENCE: 107196-136 ; CURRENT APPLICATION NUMBER: US/09/252, 991A ; CURRENT FILING DATE: 1999-02-18 ; PRIOR APPLICATION NUMBER: US 60/074, 788 ; PRIOR FILING DATE: 1999-02-18 ; PRIOR APPLICATION NUMBER: US 60/094, 190 ; PRIOR FILING DATE: 1998-07-27 ; NUMBER OF SEQ ID NOS: 33142 ; SEQ ID NO 31768 ; LENGTH: 165 ; TYPE: PRT ; ORGANISM: *Pseudomonas aeruginosa* ; US-09-252-991A-31768

RESULT 5 ; US-09-593-887-24 ; Sequence 24, Application US/09593887 ; Patent No. 660914 ; GENERAL INFORMATION: ; APPLICANT: Choi et. al. ; TITLE OF INVENTION: *Streptococcus pneumoniae* Antigens and Vaccines ; NUMBER OF SEQ ID NOS: 452 ; CORRESPONDENCE ADDRESS: ; ADDRESSEE: Human Genome Sciences, Inc. ; STREET: 9410 Key West Avenue ; CITY: Rockville ; STATE: Maryland ; COUNTRY: USA ; ZIP: 20850 ; COMPUTER READABLE FORM: ; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage ; COMPUTER: HP Vectra 466/33 ; OPERATING SYSTEM: MSDOS version 6.2 ; SOFTWARE: ASCII Text ; CURRENT APPLICATION DATA: ; APPLICATION NUMBER: US/08/961, 083 ; FILING DATE: ; CLASSIFICATION: 435 ; PRIOR APPLICATION DATA: ; APPLICATION NUMBER: ; FILING DATE: ; ATTORNEY/AGENT INFORMATION: ; NAME: Brookes, A. Anders ; REGISTRATION NUMBER: 36, 373 ; REFERENCE/DOCKET NUMBER: PB340P2 ; TELECOMMUNICATION INFORMATION: ; TELEPHONE: (301) 309-8504 ; TELEFAX: (301) 309-8512 ; INFORMATION FOR SEQ ID NO: 170: ; SEQUENCE CHARACTERISTICS: ; LENGTH: 247 amino acids ; TYPE: amino acid ; STRANDEDNESS: single ; TOPOLOGY: linear ; MOLECULE TYPE: protein

RESULT 11
 US-09-321-276-4
 ; Sequence 4, Application US/09321276
 ; Patent No. 6224869
 ; GENERAL INFORMATION:
 ; APPLICANT: Wallis, Nicola G.
 ; TITLE OF INVENTION: NOVEL RESPONSE REGULATOR
 ; NUMBER OF SEQUENCES: 6
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Dechert Price & Rhoads
 ; STREET: 997 Lenox Drive, Building 3, Suite 210
 ; CITY: Lawrenceville
 ; STATE: NJ
 ; COUNTRY: USA
 ; ZIP: 08543
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: DOS
 ; SOFTWARE: FastSEQ for Windows Version 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/916,481
 ; FILING DATE:
 ; CLASSIFICATION: 435
 ; PRIORITY APPLICATION NUMBER:
 ; FILING DATE:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Dickinson, Todd O.
 ; REGISTRATION NUMBER: 28,354
 ; REFERENCE/DOCKET NUMBER: GM10022-1
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 215-994-2252
 ; TELEFAX: 215-994-2222
 ; TELEX:
 ; INFORMATION FOR SEQ ID NO: 2:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 554 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; US-08-916-481-2
 ; Query Match 86.2%; Score 25; DB 3; Length 554;
 ; Best Local Similarity 85.7%; Pred. No. 1.2e+03;
 ; Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 ; QY |||||
 ; Db 99 WLVTKS 105
 ;
 ; RESULT 13
 ; US-08-916-481-3
 ; Sequence 3, Application US/08916481
 ; Patent No. 6270991
 ; GENERAL INFORMATION:
 ; APPLICANT: Wallis, Nicola G.
 ; TITLE OF INVENTION: NOVEL histidine kinase
 ; NUMBER OF SEQUENCES: 7
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Dechert Price & Rhoads
 ; STREET: 4000 Bell Atlantic Tower, 1717 Arch Street
 ; CITY: Philadelphia
 ; STATE: PA
 ; COUNTRY: US
 ; ZIP: 19103
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: DOS
 ; SOFTWARE: FastSEQ for Windows Version 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/916,481
 ; FILING DATE:
 ; CLASSIFICATION: 435
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER:
 ; FILING DATE:
 ;
 ; RESULT 12
 ; US-08-916-481-2
 ; Sequence 2, Application US/08916481
 ; Patent No. 6270991
 ; GENERAL INFORMATION:
 ; APPLICANT: Wallis, Nicola G.
 ;
 ;

ATTORNEY/AGENT INFORMATION:
 NAME: Dickinson, Todd Q
 REGISTRATION NUMBER: 28,354
 REFERENCE/DOCKET NUMBER: GM10022-1
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 215-994-2252
 TELEX: 215-994-2222
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 563 amino acids
 TYPE: amino acid
 STRANGENESS: single
 TOPOLOGY: linear
 ; US-08-916481-3

Query Match 86.2%; Score 25; DB 3; Length 563;
 Best Local Similarity 85.7%; Pred. No. 1.2e+03; Indels 0; Gaps 0;
 Matches 6; Conservative 0; Mismatches 1; Db 75; Qy 1 VVLVTS 7
 Db 108 VVLVTS 114

RESULT 14

US-09-328-352-8068

; Sequence 8068, Application US/09328352

; Patent No. 6562958

; GENERAL INFORMATION:

; APPLICANT: Gary L. Breton et al.

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER

; FILE REFERENCE: GTC90-03PA

; CURRENT APPLICATION NUMBER: US/09/328,352

; NUMBER OF SEQ ID NOS: 8252

; SEQ ID NO 8068

; LENGTH: 576

; TYPE: PRT

; ORGANISM: Acinetobacter baumannii

; US-09-328-352-8068

Query Match 86.2%; Score 25; DB 4; Length 576;
 Best Local Similarity 100.0%; Pred. No. 1.2e+03; Indels 0; Gaps 0;
 Matches 6; Conservative 0; Mismatches 0; Db 75; Qy 1 VVLVTS 6
 Db 72 VVLVTS 77

RESULT 15

US-09-489-039A-12334
 ; Sequence 12334, Application US/09489039A
 ; Parent No. 661036
 ; GENERAL INFORMATION:

; APPLICANT: Gary Broton et al
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
 ; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
 ; FILE REFERENCE: 2709.2004001

; CURRENT APPLICATION NUMBER: US/09/489,039A
 ; CURRENT FILING DATE: 2000-01-27
 ; PRIOR APPLICATION NUMBER: US 60/117,747
 ; PRIOR FILING DATE: 1999-01-29
 ; NUMBER OF SEQ ID NOS: 14342
 ; SEQ ID NO 12334
 ; LENGTH: 579
 ; TYPE: PRT

; ORGANISM: Klebsiella pneumoniae
 ; US-09-489-039A-12334

Best Local Similarity 100.0%; Pred. No. 1.2e+03; Indels 0; Gaps 0;
 Matches 6; Conservative 0; Mismatches 0; Db 75; Qy 1 VVLVTS 6
 Db 75 VVLVTS 80

Search completed: March 1, 2004, 16:59:06
 Job time : 11.9268 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 1, 2004, 16:57:09 ; Search time 22.1951 seconds
 (without alignments) (without alignments) (without alignments)
 66.594 Million cell updates/sec

Title: US-09-910-582B-4

Perfect score: 29 US-09-910-582B-4
 Sequence: 1 VVLVTS 7

Scoring table: BLOSUM62
 Gapop 10.0 , Gapext 0.5

Searched: 809742 seqs, 211153259 residues

Total number of hits satisfying chosen parameters: 809742

Minimum DB seq length: 0
 Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
 Maximum Match 100%
 Listing first 45 summaries

Database : Published Applications AA:*

1: /cgn2_6/ptodata/1/pupaa/US07_PUBCOMB.pep:*

2: /cgn2_6/ptodata/1/pupaa/PCT_NEW_PUB.pep:*

3: /cgn2_6/ptodata/1/pupaa/US06_PUBCOMB.pep:*

4: /cgn2_6/ptodata/1/pupaa/US07_NEW_PUB.pep:*

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8: /cgn2_6/ptodata/1/pupaa/US08_PUBCOMB.pep:*

9: /cgn2_6/ptodata/1/pupaa/US09_PUBCOMB.pep:*

10: /cgn2_6/ptodata/1/pupaa/US06_PUBCOMB.pep:*

11: /cgn2_6/ptodata/1/pupaa/US09_PUBCOMB.pep:*

12: /cgn2_6/ptodata/1/pupaa/US07_NEW_PUB.pep:*

13: /cgn2_6/ptodata/1/pupaa/US10_PUBCOMB.pep:*

14: /cgn2_6/ptodata/1/pupaa/US10_PUBCOMB.pep:*

15: /cgn2_6/ptodata/1/pupaa/US10_PUBCOMB.pep:*

16: /cgn2_6/ptodata/1/pupaa/US09_PUBCOMB.pep:*

17: /cgn2_6/ptodata/1/pupaa/US06_PUBCOMB.pep:*

18: /cgn2_6/ptodata/1/pupaa/US06_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

* Query

Result No. Score Match Length DB ID Description

Result No.	Score	Match	Length	DB	ID	Description
1	29	100.0	7	9	US-09-782-650-3	Sequence 3, Appli
2	29	100.0	7	10	US-09-910-582B-4	Sequence 4, Appli
3	29	100.0	498	14	US-10-128-714-8581	Sequence 3881, Appli
4	29	100.0	522	14	US-10-128-714-8581	Sequence 3881, Appli
5	26	89.7	83	9	US-09-738-626-5150	Sequence 5150, Appli
6	26	89.7	107	14	US-09-738-626-5150	Sequence 20502, Appli
7	26	89.7	188	9	US-09-738-626-5154	Sequence 5345, Appli
8	26	89.7	310	14	US-10-34-40-1	Sequence 1, Appli
9	26	89.7	516	14	US-10-132-089-2	Sequence 2, Appli
10	26	89.7	532	14	US-10-132-089-4	Sequence 4, Appli
11	26	89.7	537	14	US-10-132-089-6	Sequence 6, Appli
12	26	89.7	633	15	US-10-116-215-175	Sequence 175, Appli
13	26	89.7	736	13	US-10-060-230-24	Sequence 24, Appli
14	26	89.7	871	14	US-10-205-219-171	Sequence 171, Appli
15	26	89.7	874	14	US-10-205-223-232	Sequence 222, Appli

RESULT 1
 US-09-782-650-3

Sequence 3, Application US/09782650
 Patent No. US200201019350A1

GENERAL INFORMATION:

APPLICANT: Levine, Arnold J.

APPLICANT: Mitterer, Artur

APPLICANT: Falkner, Falko-Guenther

APPLICANT: Schefflinger, Friedrich

APPLICANT: Dornel, Friedrich

APPLICANT: Edwards Lifesciences Corporation

TITLE OF INVENTION: Targeted Angiogenesis

FILE REFERENCE: 205520-000611US
 CURRENT APPLICATION NUMBER: US/09/782,650

CURRENT FILING DATE: 2001-02-12
 PRIOR APPLICATION NUMBER: US 09/324,079

PRIOR FILING DATE: 1999-06-01
 PRIOR APPLICATION NUMBER: US 09/327,045

PRIOR APPLICATION NUMBER: PCT/US00/14988
 PRIOR FILING DATE: 2000-05-31

NUMBER OF SEQ ID NOS: 24

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 3

LENGTH: 7

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE: OTHER

OTHER INFORMATION: Description of Artificial sequence:targeting

OTHER INFORMATION: molecule

US-09-782-650-3

ALIGNMENTS

Query Match 100.0% Score 29; DB 9; Length 7;
 Best Local Similarity 100.0%; Pred. No. 7.1e+05; Mismatches 0; Indels 0; Gaps 0;

Sequence 3318, Appli
 Sequence 195, Appli
 Sequence 932, Appli
 Sequence 12739, Appli
 Sequence 170, Appli
 Sequence 10426, Appli
 Sequence 216, Appli
 Sequence 115, Appli
 Sequence 35, Appli
 Sequence 9520, Appli
 Sequence 12017, Appli
 Sequence 141, Appli
 Sequence 6316, Appli
 Sequence 11616, Appli
 Sequence 394, Appli
 Sequence 117, Appli
 Sequence 178, Appli
 Sequence 4, Appli
 Sequence 2, Appli
 Sequence 12899, Appli
 Sequence 12045, Appli
 Sequence 1022, Appli
 Sequence 3544, Appli
 Sequence 1884, Appli
 Sequence 15709, Appli
 Sequence 16099, Appli

Db 1 VVLTSS 7

RESULT 2

US-09-910-582B-4

; Sequence 4, Application US/09910582B

; Publication No. US20030045476A1

; GENERAL INFORMATION:

; APPLICANT: Ruslakhi, Erkki

; APPLICANT: Mackenna, Deidre A.

; TITLE OF INVENTION: Heart Homing Conjugates

; FILE REFERENCE: P-LJ 4857

; CURRENT APPLICATION NUMBER: US/09/910,582B

; CURRENT FILING DATE: 2001-07-20

; PRIOR APPLICATION NUMBER: US 09/326,718

; PRIOR FILING DATE: 1999-06-07

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 4

; LENGTH: 7

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: synthetic construct

US-09-910-582B-4

Query Match 100.0%; Score 29; DB 10; Length 7;

Best Local Similarity 100.0%; Pred. No. 7.1e+05; Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 VVLTSS 7

Db 1 VVLTSS 7

RESULT 3

US-10-128-714-3581

; Sequence 3581, Application US/10128714

; Publication No. US20030119013A1

; GENERAL INFORMATION:

; APPLICANT: Jiang, Bo

; APPLICANT: Hu, Wendi

; APPLICANT: Tishkoff, Daniel

; APPLICANT: Zamudio, Carlos

; APPLICANT: Eroshkin, Alexey M

; APPLICANT: Lemieux, Sébastien M

; TITLE OF INVENTION: Identification of Essential Genes in Aspergillus fumigatus and

; METHODS OF USE

; FILE REFERENCE: 10182-018-999

; CURRENT APPLICATION NUMBER: US/0/128,714

; CURRENT FILING DATE: 2001-04-23

; PRIOR APPLICATION NUMBER: US 60/285,697

; PRIOR FILING DATE: 2001-07-19

; PRIOR FILING NUMBER: US 60/316,352

; PRIOR FILING DATE: 2001-08-31

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 8581

; LENGTH: 522

; TYPE: PRT

; ORGANISM: Aspergillus fumigatus

Qy 1 VVLTSS 7

Db 207 VVLTSS 213

RESULT 4

US-10-128-714-8581

; Sequence 8581, Application US/10128714

; Publication No. US20030119013A1

; GENERAL INFORMATION:

; APPLICANT: Jiang, Bo

; APPLICANT: Hu, Wendi

; APPLICANT: Tishkoff, Daniel

; APPLICANT: Zamudio, Carlos

; APPLICANT: Eroshkin, Alexey M

; APPLICANT: Lemieux, Sébastien M

; TITLE OF INVENTION: Identification of Essential Genes in Aspergillus fumigatus and

; METHODS OF USE

; FILE REFERENCE: 10182-018-999

; CURRENT APPLICATION NUMBER: US/0/128,714

; CURRENT FILING DATE: 2001-04-23

; PRIOR APPLICATION NUMBER: US 60/285,697

; PRIOR FILING DATE: 2001-07-19

; PRIOR FILING NUMBER: US 60/316,352

; PRIOR FILING DATE: 2001-08-31

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 8581

; LENGTH: 522

; TYPE: PRT

; ORGANISM: Aspergillus fumigatus

US-10-128-714-8581

Qy 1 VVLTSS 7

Db 207 VVLTSS 213

RESULT 5

US-09-738-626-5150

; Sequence 5150, Application US/09738626

; Publication No. US20020197605A1

; GENERAL INFORMATION:

; APPLICANT: NAVAGAWA, SATOSHI

; APPLICANT: MIZOGUCHI, HIROSHI

; APPLICANT: ANDO, SEIKO

; APPLICANT: HAYASHI, MIKIRO

; APPLICANT: OHAI, KEIKO

; APPLICANT: YOKOI, HARUHICO

; APPLICANT: TATEISHI, NAOKO

; APPLICANT: SENOH, AKIHIRO

; APPLICANT: IKEDA, MASAKO

; APPLICANT: OZAKI, AKIO

; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES

; FILE REFERENCE: 249-125

; CURRENT APPLICATION NUMBER: US/09/738,626

; CURRENT FILING DATE: 2000-12-18

; PRIOR APPLICATION NUMBER: JP 99/377484

; PRIOR FILING DATE: 1999-12-16

; PRIOR APPLICATION NUMBER: JP 00/159162

; PRIOR FILING DATE: 2000-04-07

; PRIOR FILING NUMBER: JP 00/280988

; PRIOR FILING DATE: 2000-08-03

; ORGANISM: Aspergillus fumigatus

US-10-128-714-3581

Qy 1 VVLTSS 7

Db 207 VVLTSS 213

RESULT 6

US-09-910-582B-4

; Sequence 4, Application US/09910582B

; Publication No. US20030045476A1

; GENERAL INFORMATION:

; APPLICANT: Ruslakhi, Erkki

; APPLICANT: Mackenna, Deidre A.

; TITLE OF INVENTION: Heart Homing Conjugates

; FILE REFERENCE: P-LJ 4857

; CURRENT APPLICATION NUMBER: US/09/910,582B

; CURRENT FILING DATE: 2001-07-20

; PRIOR APPLICATION NUMBER: US 09/326,718

; PRIOR FILING DATE: 1999-06-07

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 4

; LENGTH: 7

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: synthetic construct

US-09-910-582B-4

Query Match 100.0%; Score 29; DB 14; Length 498;

Best Local Similarity 100.0%; Pred. No. 2.7e+02; Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 VVLTSS 7

Db 1 VVLTSS 7

Query Match 100.0%; Score 29; DB 14; Length 498;

Best Local Similarity 100.0%; Pred. No. 2.7e+02; Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 VVLTSS 7

Db 1 VVLTSS 7

Query Match 100.0%; Score 29; DB 14; Length 498;

Best Local Similarity 100.0%; Pred. No. 2.7e+02; Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 VVLTSS 7

Db 1 VVLTSS 7

Query Match 100.0%; Score 29; DB 14; Length 498;

Best Local Similarity 100.0%; Pred. No. 2.7e+02; Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 VVLTSS 7

Db 1 VVLTSS 7

Query Match 100.0%; Score 29; DB 14; Length 498;

Best Local Similarity 100.0%; Pred. No. 2.7e+02; Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 VVLTSS 7

Db 1 VVLTSS 7

Query Match 100.0%; Score 29; DB 14; Length 498;

Best Local Similarity 100.0%; Pred. No. 2.7e+02; Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 VVLTSS 7

Db 1 VVLTSS 7

Query Match 100.0%; Score 29; DB 14; Length 498;

Best Local Similarity 100.0%; Pred. No. 2.7e+02; Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 VVLTSS 7

Db 1 VVLTSS 7

Query Match 100.0%; Score 29; DB 14; Length 498;

Best Local Similarity 100.0%; Pred. No. 2.7e+02; Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 VVLTSS 7

Db 1 VVLTSS 7

RESULT 6
US-10-029-386-28502
Query Match 89.7%; Score 26; DB 9; Length 83;
Best Local Similarity 85.7%; Pred. No. 1.9e+02; Mismatches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Qy 1 VVLTSS 7
Db 43 VVLTSA 49

RESULT 6
US-10-029-386-28502
Sequence 28502, Application US/10029386
Publication No. US20030194704A1
GENERAL INFORMATION:
APPLICANT: Penn, Sharron G.
APPLICANT: Rank, David R.
APPLICANT: Hanel, David K.
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR GENE EXPRESSION ANALYSIS TWO
CURRENT FILING DATE: 2001-12-20
NUMBER OF SEQ ID NOS: 34288
SOFTWARE: Annonax Sequence Listing Engine vers. 1.1
SEQ ID NO 28502
LENGTH: 107
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: MAP TO CHR17.1
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 10
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 9.6
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 4.5
OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 9.1
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 9.6
OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 4.8
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 10
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 8.8
OTHER INFORMATION: SWISSPROT HIT: O15353, EVALUE 7.00e-26
US-10-029-386-28502

Query Match 89.7%; Score 26; DB 14; length 107;
Best Local Similarity 85.7%; Pred. No. 2.4e+02; Mismatches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Qy 1 VVLTSS 7
Db 18 LVLTSS 24

RESULT 7
US-09-738-625-5345
Sequence 5545, Application US/09738626
Publication No. US20020197605A1
GENERAL INFORMATION:
APPLICANT: NAKAGAWA, SATOSHI
APPLICANT: MIZOGUCHI, HIROSHI
APPLICANT: ANDO, SEIKA
APPLICANT: HAYASHI, MIKIRO
APPLICANT: OCHIAI, KEIKO
APPLICANT: YOKOI, HARUHIKO
APPLICANT: TANEISHI, NAOKO
APPLICANT: SEMOH, AKIHIRO
APPLICANT: IKEDA, MASATO
APPLICANT: OZAKI, AKIO

RESULT 8
US-10-344-440-1
Sequence 1, Application US/10344440
Publication No. US20030131378A1
GENERAL INFORMATION:
APPLICANT: Arcoian, Raffi
TITLE OF INVENTION: METHODS FOR BLOCKING RESISTANCE TO Bt TOXINS IN INSECTS AND NIEMANN-PICK D
FILE REFERENCE: 66227-PA1023
CURRENT APPLICATION NUMBER: US/10/344,440
CURRENT FILING DATE: 2001-02-10
PRIORITY APPLICATION NUMBER: 60/224,941
PRIORITY FILING DATE: 2000-08-11
PRIORITY APPLICATION NUMBER: PCT/US01/41687
NUMBER OF SEQ ID NOS: 4
SOFTWARE: PatentIn version 3.1
SEQ ID NO 1
LENGTH: 310
TYPE: PRT
ORGANISM: Homo sapiens
US-10-344-440-1

Query Match 89.7%; Score 26; DB 14; Length 188;
Best Local Similarity 85.1%; Pred. No. 4.4e+02; Mismatches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
Qy 1 VVLTSS 7
Db 16 IILITSS 22

RESULT 9
US-10-132-089-2
Sequence 2, Application US/10132089
Publication No. US20030166893A1
GENERAL INFORMATION:
APPLICANT: Hu, Yili
APPLICANT: Burritt, Michael
TITLE OF INVENTION: Same
FILE REFERENCE: IEX-0335-USA
CURRENT APPLICATION NUMBER: US/10/132,089
CURRENT FILING DATE: 2001-04-24
PRIORITY APPLICATION NUMBER: US 60/287,641
PRIORITY FILING DATE: 2001-04-30
NUMBER OF SEQ ID NOS: 7

GENERAL INFORMATION:
; APPLICANT: Warner-Lambert Company
; APPLICANT: Lee, Kevin
; APPLICANT: Dixon, Alastair
; APPLICANT: Brooksbank, Robert
; APPLICANT: Pinnoch, Robert
; TITLE OF INVENTION: Identification and Use of Molecules Implicated in Pain
; FILE REFERENCE: WIL-A-018200
; CURRENT APPLICATION NUMBER: US10/1205,219
; CURRENT FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: GB 0118354.0
; PRIOR FILING DATE: 2001-07-27
; NUMBER OF SEQ ID NOS: 197
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 171
; LENGTH: 871
; TYPE: PRT
; ORGANISM: Rattus norvegicus
; FEATURE:
; OTHER INFORMATION: Copg2

US-10-205-219-171
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Best Local Similarity 71.4%; Pred. No. 2.2e+03;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
Qy 1 VVLVTS 7
Db 102 VVLVTS 108
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Dy 102 VVLVTS 108

RESULT 15
US-10-205-823-232
; Sequence 232, Application US/10205823
; Publication No. US20030108963A1
; GENERAL INFORMATION:
; APPLICANT: Schlegel, Robert
; APPLICANT: Monahan, John E.
; APPLICANT: Endege, Wilson O.
; APPLICANT: Gammavaram, Manjula
; APPLICANT: Gorbatcheva, Bella
; APPLICANT: Hoersch, Sebastian
; APPLICANT: Kanatkar, Shubhangi
; APPLICANT: Wossey, Angela M.
; APPLICANT: Glatt, Karen
; APPLICANT: Zhao, Xumei
; APPLICANT: Anderson, Dustin
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; FILE REFERENCE: MRL-044
; CURRENT APPLICATION NUMBER: US/10/205,823
; CURRENT FILING DATE: 2002-07-25
; PRIOR APPLICATION NUMBER: 60/307,982
; PRIOR FILING DATE: 2001-07-25
; PRIOR APPLICATION NUMBER: 60/314,356
; PRIOR FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/325,020
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: 60/341,746
; PRIOR FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: 60/362,158
; PRIOR FILING DATE: 2002-03-05
; NUMBER OF SEQ ID NOS: 455
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 232
; LENGTH: 874
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-205-823-232

Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
Qy 1 VVLVTS 7
Db 102 VVLVTS 108
||:|||||
Dy 102 VVLVTS 108

Search completed: March 1, 2004, 17:16:45
Job time : 23.1951 secs

COUNTRY: USA
 ZIP: 19477
 COMPUTER READABLE FORM:
 COMPUTER TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/280,443
 FILING DATE:
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/197,794
 FILING DATE: 17-FEB-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Bak, Mary E.
 REGISTRATION NUMBER: 31-215
 REFERENCE/DOCKET NUMBER: WST49USA
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 215-540-9206
 TELEFAX: 215-540-5818
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 72 amino acids
 TYPE: amino acid
 TOPOLOGY: unknown
 MOLECULE TYPE: protein
 ;US-08-457-459-4

Query Match Best Local Similarity 69.6%; Score 35.5; DB 1; Length 72;
 Matches 6; Conservative 2; Mismatches 0; Indels 1; Gaps 1;
 QY 1 CLHR-GNSC 8
 Db 10 CMHKLGNSC 18

RESULT 6
 US-08-457-459-4
 Sequence 4 Application US/08457459
 ; Patient No. 5677428
 ; GENERAL INFORMATION:
 ; APPLICANT: Nishikura, Kazuko
 ; TITLE OF INVENTION: RNA Editing Enzyme and Methods of Use
 ; NUMBER OF SEQUENCES: 39
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Howson and Howson
 ; STREET: Spring House Corporate Ctr, P.O. Box 457
 ; CITY: Spring House
 ; STATE: Pennsylvania
 ; COUNTRY: USA
 ; ZIP: 19477

COMPUTER READABLE FORM:
 COMPUTER TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/555,678
 FILING DATE:
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/197,794
 FILING DATE: 17-FEB-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/280,443
 FILING DATE: 25-JUL-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/457,459
 FILING DATE: 01-JUN-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Bak, Mary E.
 REGISTRATION NUMBER: 31-215
 REFERENCE/DOCKET NUMBER: WST49USA
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 215-540-9206
 TELEFAX: 215-540-5818
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 72 amino acids
 TYPE: amino acid
 STRANDEDNESS:
 MOLECULE TYPE: protein
 ;US-08-555-678-4

Query Match Best Local Similarity 69.6%; Score 35.5; DB 1; Length 72;
 Matches 6; Conservative 2; Mismatches 0; Indels 1; Gaps 1;

ATTORNEY/AGENT INFORMATION:
 NAME: Bak, Mary E.
 REGISTRATION NUMBER: 31-215
 REFERENCE/DOCKET NUMBER: WST49USA

QY 1 CLHR-GNSC 8
 Db 10 CMHKLGNSC 18

RESULT 8
 PCT-US95-02275-4
 Sequence 4, Application PC/TUS9502275
 GENERAL INFORMATION:
 APPLICANT: Wistar Institute of Anatomy & Biology
 TITLE OF INVENTION: RNA Editing Enzyme and Methods of Use
 TITLE OF INVENTION: Thereof
 NUMBER OF SEQUENCES: 39
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Howson and Howson
 STREET: Spring House Corporate Ctr, P.O. Box 457
 CITY: Spring House
 STATE: Pennsylvania
 ZIP: 19477
 COUNTRY: USA

COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/280,443
 FILING DATE:
 CLASSIFICATION: 435
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/02275
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/280,443
 FILING DATE: 25-JUL-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/197,794
 FILING DATE: 17-FEB-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Bak, Mary E.
 REGISTRATION NUMBER: 31,215
 TELECOMMUNICATION DOCKET NUMBER: WST49BPC
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 215-540-9206
 TELEFAX: 215-540-9206
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 72 amino acids
 TYPE: amino acid
 STRANDEDNESS:
 TOPOLOGY: unknown
 MOLECULE TYPE: protein
 PCT-US95-02275-4

Query Match 69.6%; Score 35.5; DB 5; Length 72;
 Best Local Similarity 66.7%; Pred. No. 3.6e-02;
 Matches 6; Conservative 2; Mismatches 0; Indels 1; Gaps 1;
 QY 1 CLHR-GNSC 8
 Db 622 CMHKLGNSC 630

RESULT 9
 US-08-443-2
 Sequence 2, Application US/08457459
 Patent No. 5674428
 GENERAL INFORMATION:
 APPLICANT: Nishikura, Kazuko
 TITLE OF INVENTION: RNA Editing Enzyme and Methods of Use
 TITLE OF INVENTION: Thereof
 NUMBER OF SEQUENCES: 39
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Howson and Howson
 STREET: Spring House Corporate Ctr, P.O. Box 457
 CITY: Spring House
 STATE: Pennsylvania
 ZIP: 19477
 COUNTRY: USA

COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/457,459
 FILING DATE:
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/280,443
 FILING DATE: 25-JUL-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Bak, Mary E.

RESULT 9
 US-08-280-443-2
 Sequence 2, Application US/08280443
 Patent No. 5643778
 GENERAL INFORMATION:
 APPLICANT: Nishikura, Kazuko
 TITLE OF INVENTION: RNA Editing Enzyme and Methods of Use
 TITLE OF INVENTION: Thereof
 NUMBER OF SEQUENCES: 39
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Howson and Howson
 STREET: Spring House Corporate Ctr, P.O. Box 457
 CITY: Spring House
 STATE: Pennsylvania
 ZIP: 19477
 COUNTRY: USA

COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US 08/197,794
 FILING DATE: 17-FEB-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/280,443
 FILING DATE: 25-JUL-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Bak, Mary E.

REGISTRATION NUMBER: 31 215
 REFERENCE/DOCKET NUMBER: WST49CUSA
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 215-540-9206
 TELEFAX: 215-540-5818
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1226 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein

US-08-457-459-2

RESULT 11
 US-08-555-678-2
 Sequence 2, Application US/08555678
 PATENT NO. 5763174
 GENERAL INFORMATION:
 APPLICANT: Nishikura, Kazuko
 TITLE OF INVENTION: RNA Editing Enzyme and Methods
 TITLE OF INVENTION: of Use Thereof
 NUMBER OF SEQUENCES: 67
 CORRESPONDENCE ADDRESS:
 ADDRESS: Howson and Howson
 STREET: Spring House Corporate Ctr, P.O. Box 457
 CITY: Spring House
 STATE: Pennsylvania
 COUNTRY: USA
 ZIP: 19477
 COMPUTER READABLE FORM:
 MEDIUM TYPE: floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US 08/197,794
 FILING DATE: 17-FEB-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Bak, Mary E.
 REGISTRATION NUMBER: 31,215
 REFERENCE/DOCKET NUMBER: WST49BPC
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 215-540-9206
 TELEFAX: 215-540-5818
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1226 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein

PCT-US95-02275-2

RESULT 12
 PCT-US95-02275-2
 Sequence 2, Application PC/TUS9502275
 GENERAL INFORMATION:
 APPLICANT: Wistar Institute of Anatomy & Biology
 TITLE OF INVENTION: RNA Editing Enzyme and Methods of Use
 TITLE OF INVENTION: Thereof
 NUMBER OF SEQUENCES: 39
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Howson and Howson
 STREET: Spring House Corporate Ctr, P.O. Box 457
 CITY: Spring House
 STATE: Pennsylvania
 COUNTRY: USA
 ZIP: 19477
 COMPUTER READABLE FORM:
 MEDIUM TYPE: floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT-US95/02275
 FILING DATE: 17-FEB-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Bak, Mary E.
 REGISTRATION NUMBER: 31,215
 REFERENCE/DOCKET NUMBER: WST49BPC
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 215-540-9206
 TELEFAX: 215-540-5818
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1226 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein

PCT-US95-02275-2

RESULT 13
 US-09-562-702A-12
 Sequence 12, Application US/09562702A
 PATENT NO. 662790
 GENERAL INFORMATION:
 APPLICANT: Yurchenco, Peter
 TITLE OF INVENTION: Laminin 2 and Methods for Its Use
 FILE REFERENCE: 99-274-B
 CURRENT FILING DATE: 2000-04-28
 CURRENT APPLICATION NUMBER: US/09/562,702A
 PRIOR APPLICATION NUMBER: 60/155,945
 PRIOR FILING DATE: 1999-09-24

Query Match Best Local Similarity 69.6%; Score 35.5; DB 1; Length 1226; DB 622 CMHKLGNSC 630

Query Match Best Local Similarity 66.7%; Score 35.5; DB 1; Length 1226; DB 622 CMHKLGNSC 630

Query Match Best Local Similarity 66.7%; Score 35.5; DB 1; Length 1226; DB 622 CMHKLGNSC 630

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; PRIORITY APPLICATION NUMBER: 60/143,289
; PRIORITY FILING DATE: 1999-07-12
; PRIORITY APPLICATION NUMBER: 60/139,198
; PRIORITY FILING DATE: 1999-06-15
; PRIORITY APPLICATION NUMBER: 60/131,720
; PRIORITY FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 12
; LENGTH: 3084
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-562-702A-12

Query Match 68.6%; Score 35; DB 4; Length 3084;
Best Local Similarity 62.5%; Pred. No. 1e+03; Mismatches 5; Conservative 1; Indels 2; Gaps 0; CSHLGNNC 990
Qy 1 CLHRGNSC 8
Db 990 CSHLGNNC 997

RESULT 14
US-09-562-702A-8

Sequence 8, Application US/09562702A
; Patent No. 6632790
; GENERAL INFORMATION:
; APPLICANT: Yurchenco, Peter
; TITLE OF INVENTION: Laminin 2 and Methods for Its Use
; FILE REFERENCE: 99-274-B
; CURRENT APPLICATION NUMBER: US/09/562,702A
; CURRENT FILING DATE: 2000-04-28
; PRIORITY APPLICATION NUMBER: 60/155,945
; PRIORITY FILING DATE: 1999-09-24
; PRIORITY APPLICATION NUMBER: 60/143,289
; PRIORITY FILING DATE: 1999-07-12
; PRIORITY APPLICATION NUMBER: 60/139,198
; PRIORITY FILING DATE: 1999-06-15
; PRIORITY APPLICATION NUMBER: 60/131,720
; PRIORITY FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 8
; LENGTH: 3088
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-562-702A-8

Query Match 68.6%; Score 35; DB 4; Length 3088;
Best Local Similarity 62.5%; Pred. No. 1e+03; Mismatches 5; Conservative 1; Indels 2; Gaps 0; CSHLGNNC 1001
Qy 1 CLHRGNSC 8
Db 994 CSHLGNNC 1001

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Job time : 13.4878 secs

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GenCore version 5.1.6
 Copyright (c) 1993 - 2004 Computagen Ltd.
 OM protein - protein search, using sw model

Run on: March 1, 2004, 16:57:09 ; Search time 25.3659 Seconds
 (Without alignment) ; 66.594 Million cell updates/sec

Title: US-09-910-582B-9
 Perfect score: 51
 Sequence: 1 CLHRGNSC 8

Scoring table: BLOSUM62

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Searched:

809742 seqs, 211153259 residues

Total number of hits satisfying chosen parameters:

809742

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : Published Applications AA:*

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18: /cgn2_6/prodata/1/pbpaal/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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4	36	70.6	51	11	US-09-864-408A-7734
5	36	70.6	99	14	US-10-290-631-4
6	36	70.6	224	10	US-09-865-711
7	36	70.6	4599	16	US-10-464-368-69
8	36	70.6	4599	16	US-10-464-368-70
9	36	70.6	4536	9	US-09-835-996A-33
10	35.5	69.6	1225	14	US-10-233-553-20
11	35	68.6	57	14	US-10-029-386-2949
12	35	68.6	555	10	US-09-922-7827-49
13	35	68.6	920	9	US-09-934-869-52
14	35	68.6	1354	9	US-09-808-571A-4
15	35	68.6	1447	9	US-09-808-571A-2

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17	35	68.6	3070	10	US-09-961-403-7	Sequence 7, Appli
18	34	66.7	34	9	US-03-776-490-25	Sequence 25, Appli
19	34	66.7	34	9	US-03-776-491-25	Sequence 25, Appli
20	34	66.7	389	14	US-10-228-567A-538	Sequence 538, Appli
21	34	66.7	389	14	US-10-228-883-4	Sequence 44167, A
22	33	64.7	26	11	US-09-984-423-159	Sequence 222, Appli
23	33	64.7	26	14	US-10-150-111-159	Sequence 1159, Appli
24	33	64.7	28	9	US-03-864-761-39799	Sequence 39799, A
25	33	64.7	37	9	US-03-894-882-223	Sequence 223, Appli
26	33	64.7	37	9	US-03-894-882-387	Sequence 387, Appli
27	33	64.7	46	9	US-03-864-761-44167	Sequence 17, Appli
28	33	64.7	73	9	US-03-894-882-222	Sequence 16, Appli
29	33	64.7	88	13	US-10-086-623-11	Sequence 11, Appli
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32	33	64.7	182	9	US-03-852-209A-17	Sequence 16, Appli
33	33	64.7	182	14	US-10-131-600-16	Sequence 17, Appli
34	33	64.7	182	14	US-10-131-600-17	Sequence 17, Appli
35	33	64.7	245	14	US-10-374-780B-2294	Sequence 5, Appli
36	33	64.7	257	14	US-10-203-708-42	Sequence 5, Appli
37	33	64.7	303	11	US-09-876-813-56	Sequence 57, Appli
38	33	64.7	317	11	US-09-876-813-56	Sequence 56, Appli
39	33	64.7	318	9	US-09-852-209A-5	Sequence 5, Appli
40	33	64.7	318	14	US-10-131-600-5	Sequence 5, Appli
41	33	64.7	318	14	US-10-131-600-5	Sequence 5, Appli
42	33	64.7	339	9	US-09-253-302-776	Sequence 776, Appli
43	33	64.7	345	9	US-09-23-033-2	Sequence 2, Appli
44	33	64.7	345	9	US-09-821-033-4	Sequence 4, Appli
45	33	64.7	345	9	US-09-818-943-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1	US-09-782-650-4	Sequence 4, Application US/09782650
		Patent No. US200201019350A1
		GENERAL INFORMATION:
		APPLICANT: Levine, Arnold J.
		APPLICANT: Mitterer, Artur
		APPLICANT: Falkner, Falko-Guenther
		APPLICANT: Schefflinger, Friedrich
		APPLICANT: Dorner, Friedrich
		APPLICANT: Edwards Lifesciences Corporation
		TITLE OF INVENTION: Targeted Angiogenesis
		FILE REFERENCE: 2055D-00611US
		CURRENT APPLICATION NUMBER: US/09/782-650
		CURRENT FILING DATE: 2001-02-12
		PRIOR APPLICATION NUMBER: US/09/324,079
		PRIOR FILING DATE: 1999-06-01
		PRIOR APPLICATION NUMBER: US/09/327,045
		PRIOR FILING DATE: 1999-06-07
		PRIOR APPLICATION NUMBER: PCT/US00/14988
		PRIOR FILING DATE: 2000-05-31
		NUMBER OF SEQ ID NOS: 24
		SOFTWARE: Patentin Ver. 2.1
		SEQ ID NO 4
		LENGTH: 8
		TYPE: PRT
		ORGANISM: Artificial Sequence
		FEATURE: OTHER INFORMATION: Description of Artificial Sequence:targeting
		OTHER INFORMATION: molecule
		US-09-782-650-4
		Query Match 100.0%; Score 51; DB 9; Length 8;
		Best Local Similarity 100.0%; PRED. NO. 7.2e+05;
		Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY	1	CLHRGNSC 8

Db 1 CLHRGNSC 8

; PRIOR APPLICATION NUMBER: 10/225,067

; PRIOR FILING DATE: 2002-08-09

RESULT 2

; Sequence 9, Application US/09910582B

; Publication No. US0030045476A1

; GENERAL INFORMATION:

; APPLICANT: Rosalant, Birki

; Mackenna, Deidre A.

; TITLE OF INVENTION: Heart Homing Conjugates

; FILE REFERENCE: P-LJ 4857

; CURRENT APPLICATION NUMBER: US/09/910,582B

; CURRENT FILING DATE: 2001-07-20

; PRIOR APPLICATION NUMBER: US 09/326,718

; PRIOR FILING DATE: 1999-06-07

; NUMBER OF SEQ ID NOS: 15

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO: 9

; LENGTH: 8

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE: OTHER INFORMATION: Synthetic construct

; US-09-910-582B-9

; Query Match

; Best Local Similarity 100.0%; Score 51; DB 10; Length 8;

; Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

; Qy 1 CLHRGNSC 8

; Db 1 CLHRGNSC 8

; LENGTH: 8

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE: OTHER INFORMATION: Synthetic construct

; US-09-910-582B-9

; Sequence 2472, Application US/10374780A

; Publication No. US0040019927A1

; GENERAL INFORMATION:

; APPLICANT: Sherman, Bradley K

; APPLICANT: Riechmann, Jose Luis

; APPLICANT: Jiang, Cai-Zhong

; APPLICANT: Heard, Jacqueline E

; APPLICANT: Haake, Volker

; APPLICANT: Creelman, Robert A

; APPLICANT: Ratcliffe, Oliver

; APPLICANT: Adam, Luc J

; APPLICANT: Reuber, T. Lynne

; APPLICANT: Keddie, James

; APPLICANT: Broun, Pierre E

; APPLICANT: Pilgrim, Marsha L

; APPLICANT: Dubell III, Arnold T

; APPLICANT: Pineda, Omaira

; APPLICANT: Yu, Guo-Liang

; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES IN PLANTS

; FILE REFERENCE: MEI-0047 CIP

; CURRENT APPLICATION NUMBER: US/10/374,780A

; CURRENT FILING DATE: 2003-02-25

; PRIOR APPLICATION NUMBER: 09/837,944

; PRIOR FILING DATE: 2001-04-18

; PRIOR APPLICATION NUMBER: 60/310,847

; PRIOR FILING DATE: 2001-08-09

; PRIOR APPLICATION NUMBER: 09/934,455

; PRIOR FILING DATE: 2001-08-22

; PRIOR APPLICATION NUMBER: 60/336,049

; PRIOR FILING DATE: 2001-11-19

; PRIOR APPLICATION NUMBER: 60/338,692

; PRIOR FILING DATE: 2001-12-11

; PRIOR APPLICATION NUMBER: 10/171,468

; PRIOR FILING DATE: 2002-06-14

; PRIOR APPLICATION NUMBER: 10/225,066

; PRIOR FILING DATE: 2002-08-09

; PRIOR APPLICATION NUMBER: 10/225,067

; PRIOR FILING DATE: 2002-08-09

; PRIOR APPLICATION NUMBER: 10/225,068

; PRIOR FILING DATE: 2002-08-09

; SEQ ID NO: 2472

; LENGTH: 631

; SOFTWARE: PatentIn version 3.2

; ORGANISM: Arabidopsis thaliana

; FEATURE: OTHER INFORMATION: G958

; US-10-374-780A-2472

; Query Match

; Best Local Similarity 85.7%; Score 39; DB 15; Length 631;

; Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

; Qy 1 CLHRGNS 7

; Db 547 CVHRGNS 553

; LENGTH: 51

; TYPE: PRT

; ORGANISM: Homo sapiens

; FEATURE: OTHER INFORMATION: G958

; US-09-864-408A-7734

; Query Match

; Best Local Similarity 76.5%; Score 39; DB 15; Length 631;

; Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

; Qy 1 CLHRGNSC 8

; Db 24 CVHRGFC 31

; LENGTH: 51

; TYPE: PRT

; ORGANISM: Homo sapiens

; FEATURE: OTHER INFORMATION: G958

; US-09-864-408A-7734

; Query Match

; Best Local Similarity 70.6%; Score 36; DB 11; Length 51;

; Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

; Qy 1 CLHRGNSC 8

; Db 24 CVHRGFC 31

; LENGTH: 51

; TYPE: PRT

; ORGANISM: Homo sapiens

; FEATURE: OTHER INFORMATION: G958

; US-10-290-631-4

; Query Match

; Best Local Similarity 62.5%; Score 36; DB 11; Length 51;

; Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

; Qy 1 CLHRGNSC 8

; Db 24 CVHRGFC 31

; LENGTH: 51

; TYPE: PRT

; ORGANISM: Homo sapiens

; FEATURE: OTHER INFORMATION: G958

; US-10-290-631-4

; Query Match

; Best Local Similarity 62.5%; Score 36; DB 11; Length 51;

; Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

; Qy 1 CLHRGNSC 8

; Db 24 CVHRGFC 31

; LENGTH: 51

; TYPE: PRT

; ORGANISM: Homo sapiens

; FEATURE: OTHER INFORMATION: G958

; US-10-290-631-4

; Query Match

; Best Local Similarity 62.5%; Score 36; DB 11; Length 51;

; Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

; Qy 1 CLHRGNSC 8

; Db 24 CVHRGFC 31

; LENGTH: 51

; TYPE: PRT

; ORGANISM: Homo sapiens

; FEATURE: OTHER INFORMATION: G958

; US-10-290-631-4

; Query Match

; Best Local Similarity 62.5%; Score 36; DB 11; Length 51;

; Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

; Qy 1 CLHRGNSC 8

; Db 24 CVHRGFC 31

; LENGTH: 51

; TYPE: PRT

; ORGANISM: Homo sapiens

; FEATURE: OTHER INFORMATION: G958

; US-10-290-631-4

; NUMBER OF SEQUENCES: 22

; CORRESPONDENCE ADDRESS:

; ADDRESSE: DNAX Research Institute

; STREET: 901 California Avenue

; CITY: Palo Alto

STATE: California
 COUNTRY: USA
 ZIP: 94304-1104
 COMPUTER READABLE FORM:
 MEDIUM TYPE: FLOPPY disk
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/10/290,631
 FILING DATE: 08-NO-2003
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/985,950
 FILING DATE: 05-DEC-1997
 APPLICATION NUMBER: US 60/041,279
 FILING DATE: 21-MARCH-1997
 APPLICATION NUMBER: US 60/033,181
 FILING DATE: 16-DEC-1996
 APPLICATION NUMBER: US 60/032,252
 FILING DATE: 06-DEC-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Ching, Edwin P.
 REGISTRATION NUMBER: 34,090
 REFERENCE/DOCKET NUMBER: DX0670K
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (650)456-1204
 TELEFAX: (650)456-1204
 INFORMATION FOR SEQ ID NO: 4:
 SEQENCE CHARACTERISTICS:
 LENGTH: 99 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 4:
 US-10-290-631-4

Query Match 70.6%; Score 36; DB 14; Length 99;
 Best Local Similarity 85.%; Pred. No. 60;
 Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1 CLHRGNS 7
 Db 12 CLHAGNS 18

RESULT 6
 US-03-866-050A-711
 ; Sequence 711, Application US/09866050A
 ; Publication No. US20030104041A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Watson, James D.
 ; APPLICANT: Strachan, Lorna
 ; APPLICANT: Sleeman, Matthew
 ; APPLICANT: Onrust, René
 ; APPLICANT: Muriain, James G.
 ; APPLICANT: Kumble, Krishanand D.
 ; TITLE OF INVENTION: Compositions Isolated From Skin Cells
 ; TITLE OF INVENTION: and Methods for Their Use
 ; FILE REFERENCE: 11000-101104
 ; CURRENT APPLICATION NUMBER: US/09/866,050A
 ; CURRENT FILING DATE: 2001-05-24
 ; NUMBER OF SEQ ID NOS: 725
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 711
 ; LENGTH: 224
 ; TYPE: PRT
 ; ORGANISM: Mouse

RESULT 7
 US-10-444-369-69
 ; Sequence 69, Application US/0464368
 ; Publication No. US20040023356A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Krumlauf, Rob
 ; APPLICANT: Ellies, Debra
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR REGULATING BONE DEPOSITION
 ; FILE REFERENCE: 4016-11-017
 ; CURRENT APPLICATION NUMBER: US/10/464,368
 ; CURRENT FILING DATE: 2003-05-15
 ; PRIORITY APPLICATION NUMBER: 60/388,970
 ; PRIORITY FILING DATE: 2002-06-14
 ; NUMBER OF SEQ ID NOS: 140
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO: 70
 ; LENGTH: 4599
 ; TYPE: PRT
 ; ORGANISM: MOUSE

RESULT 8
 US-10-444-369-70
 ; Sequence 70, Application US/0464368
 ; Publication No. US20040023356A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Krumlauf, Rob
 ; APPLICANT: Ellies, Debra
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR REGULATING BONE DEPOSITION
 ; FILE REFERENCE: 4016-11-017
 ; CURRENT APPLICATION NUMBER: US/10/464,368
 ; CURRENT FILING DATE: 2003-05-15
 ; PRIORITY APPLICATION NUMBER: 60/388,970
 ; PRIORITY FILING DATE: 2002-06-14
 ; NUMBER OF SEQ ID NOS: 140
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO: 70
 ; LENGTH: 4599
 ; TYPE: PRT
 ; ORGANISM: MOUSE

RESULT 9
 US-09-835-996A-33
 ; Sequence 33, Application US/09835996A

Query Match Similarity 70.6%; Score 36; DB 10; Length 224; Best Local Matches 6; Consecutive 0; Mismatches 1; Indels 0; Pred. No. 1.3e+02;

```

RESULT 7
; Sequence 69, Application US10464368
; Publication No. US2004002336A1
; GENERAL INFORMATION:
; APPLICANT: Krumlauf, Robb
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR REGULATING BONE DEPOSITION
; FILE REFERENCE: 40716-1P-017
; CURRENT APPLICATION NUMBER: US/10/464,368
; CURRENT FILING DATE: 2003-06-16
; PRIOR APPLICATION NUMBER: 60/388,970
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 140
; SOFTWARE: Patentin version 3.2
; SEQ ID NO: 69
; LENGTH: 4599
; TYPE: PRT
; ORGANISM: MOUSE
US-10-464-368-69

Query Match 70.6%; Score 36; DB 16; Length 4599;
Best Local Similarity 85.7%; Pred. No. 2.1e+03; Mismatches 1; Indels 0; Gaps 0;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CLHRGNS 7
Db 2158 CLYRGNS 2164

RESULT 8
US-10-464-368-70
; Sequence 70, Application US10464368
; Publication No. US2004002336A1
; GENERAL INFORMATION:
; APPLICANT: Krumlauf, Robb
; APPLICANT: Bliese, Debra
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR REGULATING BONE DEPOSITION
; FILE REFERENCE: 40716-1P-017
; CURRENT APPLICATION NUMBER: US/10/464,368
; CURRENT FILING DATE: 2003-06-16
; PRIOR APPLICATION NUMBER: 60/388,970
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 140
; SOFTWARE: Patentin version 3.2
; SEQ ID NO: 70
; LENGTH: 4599
; TYPE: PRT
; ORGANISM: MOUSE
US-10-464-368-70

Query Match 70.6%; Score 36; DB 15; Length 4599;
Best Local Similarity 85.7%; Pred. No. 2.1e+03; Mismatches 0; Indels 0; Gaps 0;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CLHRGNS 7
Db 2158 CLYRGNS 2164

RESULT 9
US-09-835-996A-33
; Sequence 33, Application US109835996A

```

RESULT 11
; APPLICANT: Montgomery, Julie
; APPLICANT: Tang, Y. Tom
; APPLICANT: Zhou, Ping
; APPLICANT: Goodrich, Ryle
; APPLICANT: Liu, Cheghua
; APPLICANT: Asuadi, Vinod
; APPLICANT: Zhao, Qing
; APPLICANT: Wehrman, Tom
; APPLICANT: Dimanac, Radaje
; APPLICANT: Ren, Feiyun
; APPLICANT: Qian, Xiaohong
; APPLICANT: Wang, Dunli
; TITLE OF INVENTION: MATERIALS AND METHODS RELATING TO LIPID METABOLISM
; FILE REFERENCE: 28110/35915A
; CURRENT APPLICATION NUMBER: US/09/835,996A
; CURRENT FILING DATE: 2001-04-16
; PRIORITY APPLICATION NUMBER: US 60/197,137
; PRIORITY FILING DATE: 2000-04-14
; PRIORITY APPLICATION NUMBER: US 09/714,936
; PRIORITY FILING DATE: 2000-11-17
; PRIORITY APPLICATION NUMBER: US 09/667,298
; PRIORITY FILING DATE: 2000-09-22
; PRIORITY APPLICATION NUMBER: US 09/631,451
; PRIORITY FILING DATE: 2000-01-03
; PRIORITY APPLICATION NUMBER: US 09/598,042
; PRIORITY FILING DATE: 2000-06-20
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 33
; LENGTH: 4636
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-835-996A-33

RESULT 10
; Query Match 70.6%; Score 36; DB 9; Length 4636;
; Best Local Similarity 85.7%; Pred. No. 2.1e+03; Mismatches 0; Indels 0; Gaps 0;
; Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
; QY 1 CLHRGNS 7
; DB 2195 CLYRGNS 2201

Query Match 69.6%; Score 35.5; DB 14; Length 1225;
; Best Local Similarity 85.7%; Pred. No. 7.4e+02; Mismatches 2; Indels 1; Gaps 1;
; Matches 6; Conservative 2; Mismatches 0; Indels 1; Gaps 1;
; SEQ ID NO 20
; LENGTH: 1225
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-233-553-20

Query Match 69.6%; Score 35.5; DB 14; Length 1225;
; Best Local Similarity 85.7%; Pred. No. 7.4e+02; Mismatches 2; Indels 1; Gaps 1;
; Matches 6; Conservative 2; Mismatches 0; Indels 1; Gaps 1;
; SEQ ID NO 31
; LENGTH: 1225
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-233-553-20

RESULT 12
; Query Match 68.6%; Score 35; DB 10; Length 555;
; Best Local Similarity 85.7%; Pred. No. 4.4e+02; Mismatches 1; Indels 0; Gaps 0;
; Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
; QY 2 LHGRGNSC 8
; DB 350 LHGRGNSC 356

Query Match 68.6%; Score 35; DB 10; Length 555;
; Best Local Similarity 85.7%; Pred. No. 4.4e+02; Mismatches 1; Indels 0; Gaps 0;
; Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
; SEQ ID NO 49
; LENGTH: 555
; TYPE: PRT
; ORGANISM: Xanthomonas campestris
; US-09-927-827-49

RESULT 13
; Query Match 68.6%; Score 35; DB 10; Length 555;
; Best Local Similarity 85.7%; Pred. No. 4.4e+02; Mismatches 1; Indels 0; Gaps 0;
; Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
; QY 1 CLHR-GNSC 8
; DB 621 CMHKLGNSC 629

RESULT 13
; Query Match 68.6%; Score 35; DB 10; Length 555;
; Best Local Similarity 85.7%; Pred. No. 4.4e+02; Mismatches 1; Indels 0; Gaps 0;
; Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
; SEQ ID NO 52
; LENGTH: 555
; TYPE: PRT
; ORGANISM: Xanthomonas campestris
; US-09-934-868-52

RESULT 13
; Sequence 52, Application US/09934868
; Sequence 52, Application US/09934868

Patent No. US20020137190A1 ; SEQ ID NO 2
 GENERAL INFORMATION; LENGTH: 1447
 APPLICANT: Koffas, Mattheos ; TYPE: PRT
 APPLICANT: Odom, James M ; ORGANISM: Drosophila melanogaster
 APPLICANT: Schenle, Andreas J ; US-09-808-571A-2
 TITLE OF INVENTION: DENTRIFYING METHANOTROPHIC BACTERIAL STRAIN
 FILE REFERENCE: CL1596 US NA ; Query Match Similarity 68.6%; Score 35; DB 9; Length 1447;
 CURRENT APPLICATION NUMBER: US/09/934,868 ; Pred. No. 1.1e+03; Mismatches 2; Indels 0; Gaps 0;
 PRIOR APPLICATION NUMBER: 6/7229, 858
 PRIOR FILING DATE: 2000-09-01 ; Job time: 26.3659 secs
 SOFTWARE: Microsoft Office 97
 SEQ ID NO 52
 LENGTH: 920
 TYPE: PRT
 ORGANISM: Methylomonas 16a
 FEATURE:
 OTHER INFORMATION: NASA
 US-09-934-868-52

Query Match Similarity 68.6%; Score 35; DB 9; Length 920;
 Best Local Similarity 62.5%; Pred. No. 7e+02; Mismatches 5; Indels 0; Gaps 0;
 Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy	1	CLHRGNSC	8	1	CLHRGNSC	8
Db	869	CLHAGTGC	876	403	CLHNSSSC	410

RESULT 14 ; SEQ ID NO 2
 US-09-808-571A-4 ; LENGTH: 1354
 Sequence 4, Application US/09808571A
 ; Patent No. US20020106723A1
 ; GENERAL INFORMATION
 ; APPLICANT: Bayer Aktiengesellschaft
 ; TITLE OF INVENTION: Receptor for Latrotoxin from insects
 ; FILE REFERENCE: LE A 34 402
 ; CURRENT APPLICATION NUMBER: US/09/808,571A
 ; CURRENT FILING DATE: 2000-03-14
 ; PRIOR APPLICATION NUMBER: DE 100 13 580.3
 ; PRIOR FILING DATE: 2000-03-18
 ; NUMBER OF SEQ ID NOS: 6
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 4
 ; LENGTH: 1354
 ; TYPE: PRT
 ; ORGANISM: Drosophila melanogaster
 US-09-808-571A-4

Query Match Similarity 68.5%; Score 35; DB 9; Length 1354;
 Best Local Similarity 62.5%; Pred. No. 9.9e+02; Mismatches 5; Conservative 1; Indels 0; Gaps 0;
 Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy	1	CHRGNSC	8	1	CHRGNSC	8
Db	402	CLHNSSC	409	403	CLHNSSSC	410

RESULT 15 ; SEQ ID NO 2
 US-09-808-571A-2 ; LENGTH: 1447
 Sequence 2, Application US/09808571A
 ; Patent No. US20020106723A1
 ; GENERAL INFORMATION
 ; APPLICANT: Bayer Aktiengesellschaft
 ; TITLE OF INVENTION: Receptor for Latrotoxin from insects
 ; FILE REFERENCE: LE A 34 402
 ; CURRENT APPLICATION NUMBER: US/09/808,571A
 ; CURRENT FILING DATE: 2000-03-14
 ; PRIOR APPLICATION NUMBER: DE 100 13 580.3
 ; PRIOR FILING DATE: 2000-03-18
 ; NUMBER OF SEQ ID NOS: 6
 ; SOFTWARE: PatentIn Ver. 2.1

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On protein - protein search, using SW model

Run on: March 1, 2004, 16:52:59 ; Search time 18.7317 seconds

(without alignments) 33.073 Million cell updates/sec

Title: US-09-910-582B-10
Perfect score: 74
Sequence: 1 CRSWNKADNRSC 12

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 5125971 residues

Total number of hits satisfying chosen parameters:

389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No. Score Query Match Length DB ID Description

Result No.	Score	Query	Match	Length	DB	ID	Description
1	74	100.0	12	4	US-09-326-718-10		Sequence 10, Appl
2	46	62.2	202	4	US-09-326-718-10		Sequence 27017, A
3	42	56.8	112	1	US-07-942-245-6		Sequence 6, Appl
4	41	55.4	107	6	52/2821-7		Patent No. 52/2821
5	39	52.7	50	1	US-08-956-318A-2		Sequence 2, Appl
6	39	52.7	50	2	US-08-956-455-2		Sequence 2, Appl
7	39	52.7	50	4	US-09-077-940A-57		Sequence 57, Appl
8	38	51.4	18	5	PCT-US94-01234-33		Sequence 33, Appl
9	38	51.4	49	1	US-08-971-932-15		Sequence 15, Appl
10	38	51.4	49	1	US-08-377-687-15		Sequence 24, Appl
11	38	51.4	49	1	US-08-556-318A-7		Sequence 1, Appl
12	38	51.4	49	2	US-08-777-192-24		Sequence 15, Appl
13	38	51.4	49	2	US-08-956-455-7		Sequence 1, Appl
14	38	51.4	49	3	US-08-971-932-15		Sequence 1, Appl
15	38	51.4	49	3	US-08-971-932-15		RESULT 2
16	38	51.4	49	3	US-08-971-982-24		US-09-252-991A-27017
17	38	51.4	49	4	US-09-232-991A-23759		Sequence 27017, Appl
18	38	51.4	558	4	US-09-199-637A-277		Patent No. 6551795
19	38	51.4	978	2	US-08-415-533-43		GENERAL INFORMATION:
20	37	50.0	18	500	PCT-US94-01234-25		APPLICANT: Marc J. Rubenstein et al.
21	37	50.0	138	4	US-09-052-991A-25868		TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
22	37	50.0	192	3	US-09-475-316A-25		TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
23	37	50.0	192	3	US-09-475-316A-87		FILE REFERENCE: 107196.116
24	37	50.0	192	4	US-09-074-640-25		CURRENT APPLICATION NUMBER: US-09/252-991A
25	37	50.0	192	4	US-09-074-640-87		CURRENT FILING DATE: 1995-02-18
26	37	299	4	US-09-252-991A-24215		PRIOR APPLICATION NUMBER: US-00/074, 788	
27	37	50.0	417	4	US-09-232-991A-24932		PRIOR FILING DATE: 1998-02-18

ALIGNMENTS

US-09-326-718-10

Sequence 10, Application US/09326718

Patent No. 6503573

GENERAL INFORMATION:

APPLICANT: Ruoslahti, Eeriki

APPLICANT: Mackenna, Deidre A.

TITLE OF INVENTION: Heart Homing Peptides and Methods of

TITLE OF INVENTION: Using Same

FILE REFERENCE: P-LJ 3512

CURRENT APPLICATION NUMBER: US-09/326-718

CURRENT FILING DATE: 1999-06-07

NUMBER OF SEQ ID NOS: 15

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO: 10

LENGTH: 12

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE: ;

OTHER INFORMATION: synthetic construct

US-09-326-718-10

Query Match 100.0%; Score 74; DB 4; Length 12;

Best Local Similarity 100.0%; Pred. No. 2.4e-05;

Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CRSWNKADNRSC 12

Db 1 CRSWNKADNRSC 12

ORGANISM: *Pseudomonas aeruginosa*
US-09-252991A-27017

Query Match 62.2%; Score 46; DB 4; Length 202;
Best Local Similarity 58.3%; Pred. No. 6.7; 3; Indels 0; Gaps 0;
Matches 7; Conservative 2; Mismatches 3; DB 12

Qy 1 CRSWNKADNRSC 12
Db 128 CRSWNIAASSTAC 139

RESULT 3

US-07-942-245-6
; Sequence 6, Application US/07942245

; Patent No. 5639641

; GENERAL INFORMATION:

; APPLICANT: PEDERSEN, Jan T.

; APPLICANT: STEARLE, Stephen M.J.

; APPLICANT: REES, Anthony R.

; APPLICANT: ROGSKA, Michael A.

; APPLICANT: GUILDF, Brydon C.

; TITLE OF INVENTION: SURFACE RESIDUE VENEERING OF RODENT

; NUMBER OF SEQUENCES: 522

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Sighrue, Mion, Zinn, Macpeak & Seas

; STREET: 2100 Pennsylvania Avenue, N.W.

; CITY: Washington

; STATE: D. C.

; COUNTRY: United States

; ZIP: 20037-3102

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: HP 9000/700 Workstation

; OPERATING SYSTEM: UNIX

; TELECOMMUNICATION INFORMATION:

; SOFTWARE: In house

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/07/942, 245

; FILING DATE: 09-SEP-1992

; CLASSIFICATION: 530

; TELEPHONE: (202) 293-060

; TELEFAX: (202) 293-7860

; TELEX: 649103

; INFORMATION FOR SEQ ID NO: 6:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 112 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

US-07-942-245-6

Query Match 56.8%; Score 42; DB 1; Length 112;
Best Local Similarity 56.7%; Pred. No. 15; 2; Indels 0; Gaps 0;
Matches 6; Conservative 1; Mismatches 2; DB 9

Qy 1 CRSWNKADNRSC 12
Db 89 CASWNSSDN 97

RESULT 4

5542821-7

; Patent No. 5542821

; APPLICANT: PALVA, LIKKA; SIBAHKOV, MERVI

; SEQUENCES FOR EXPRESSION IN BACTERIA

; NUMBER OF SEQUENCES: 27

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/07/377, 450

; FILING DATE: 10-JUL-1989

; SEQ ID NO:7;

; LENGTH: 107

US-08-656-318A-2

Query Match 55.4%; Score 41; DB 6; Length 107;

Best Local Similarity 70.0%; Pred. No. 21; 2; Indels 0; Gaps 0;

Matches 7; Conservative 1; Mismatches 2; DB 11

Qy 2 RSWNKADNRSC 11
Db 86 RSWNIDSNRS 95

RESULT 5

US-08-656-318A-2

; Sequence 2, Application US/08656318A

; Patent No. 5750504

; GENERAL INFORMATION:

; APPLICANT: BRÖCKER, WILLEM F.

; APPLICANT: CRAMUE, BRUNO P.A.

; APPLICANT: OSBORN, RUPERT W.

; TITLE OF INVENTION: ANTIMICROBIAL PROTEINS

; NUMBER OF SEQUENCES: 13

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: CUSHMAN DARBY & CUSHMAN

; ADDRESSEE: Intellectual Property Group of

; STREET: 1100 New York Avenue, N.W.

; CITY: Washington

; STATE: D. C.

; COUNTRY: U.S.A.

; ZIP: 20005-3918

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patient in Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/656, 318A

; FILING DATE: 12-JUN-1996

; CLASSIFICATION: 800

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: GB 9326424.0

; FILING DATE: 24-DEC-1993

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: PCT/GB94/02766

; FILING DATE: 19-DEC-1994

; ATTORNEY/AGENT INFORMATION:

; NAME: KORJULIS, PAUL M.

; REFERENCE/DOCKET NUMBER: 16-773

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (202) 822-0944

; TELEFAX: (202) 861-3075

; INFORMATION FOR SEQ ID NO: 2:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 50 amino acids

; TYPE: amino acid

; STRANDEDNESS: Single

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; ORIGINAL SOURCE: Am-AMPI

US-08-656-318A-2

Query Match 52.7%; Score 39; DB 1; Length 50;

Best Local Similarity 41.7%; Pred. No. 20; 4; Indels 0; Gaps 0;

Matches 5; Conservative 3; Mismatches 4; DB 12

Qy 1 CRSWNKADNRSC 12
Db 24 CQDWKASIGAC 35

RESULT 6
 US 08-956459-2
 ; Sequence 2, Application US/08956459
 ; Patent No. 591918
 ; GENERAL INFORMATION:
 ;
 ; APPLICANT: BROEKERT, WILLIAM F.
 ; APPLICANT: CAMMUE, BRUNO P.A.
 ; APPLICANT: OSSORN, RUBERT W.
 ; APPLICANT: REES, SARAH B.
 ; TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
 ; NUMBER OF SEQUENCES: 13
 ; CORRESPONDENCE ADDRESS:
 ; STREET: 1100 New York Avenue, N.W.
 ; CITY: Washington
 ; STATE: D.C.
 ; COUNTRY: U.S.A.
 ; ZIP: 20005-3918
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Microsoft Word
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/655,318
 ; FILING DATE: 22-OCT-1996
 ; CLASSIFICATION: 800
 ;
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: GB 9326424.0
 ; FILING DATE: 12-JUN-1996
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: PCT/GB94/02766
 ; FILING DATE: 19-DEC-1994
 ;
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: GB 9326424.0
 ; FILING DATE: 24-DEC-1993
 ; INFORMATION FOR SEQ ID NO: 2:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 50 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; ORIGINAL SOURCE:
 ; ORGANISM: Ah-AMP1
 ;
 ; US-08-956-459-2

RESULT 7
 Query Match 52.7%; Score 39; DB
 Best Local Similarity 41.7%; Pred. No. 20;
 Matches 5; Conservative 3; Mismatches
 Qy 1 CRSMWAKDRSC 12
 ;|:|:|:
 Db 24 CQDNEKASIGAC 35

1 / TITLE OF INVENTION: Anti-fungal Proteins
1 / FILE REFERENCE: 109846-257(SIN-035)
1 / CURRENT APPLICATION NUMBER: US/09/0077,948
1 / CURRENT FILING DATE: 1998-08-07
1 / PRIOR APPLICATION NUMBER: PCT/GB97/03068
1 / PRIOR FILING DATE: 1996-12-12
1 / PRIOR APPLICATION NUMBER: GB 9606552.9
1 / PRIOR FILING DATE: 1996-03-28
1 / PRIOR APPLICATION NUMBER: GB 9525455.3
1 / PRIOR FILING DATE: 1995-12-13
1 / NUMBER OF SEQ ID NOS: 141
1 / SOFTWARE: Fast SEQ for Windows Version 4.0
1 / SEQ ID NO 57
1 / LENGTH: 50
1 / TYPE: PRT
1 / ORGANISM: *Aspergillus hippocastanum*
US-09-077-948A-57

RESULT 8
PCT-US94-01234-33
Sequence 33, Application PC/TUS9401234
GENERAL INFORMATION:
APPLICANT:
TITLE OF INVENTION: METHODS FOR PRODUCING POLYPEPTIDE
TITLE OF INVENTION: BINDING SITES
NUMBER OF SEQNENCES: 76
COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-POS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/01234
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/084,542
FILING DATE: 28-JUN-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/012,566
FILING DATE: 02-FEB-1993
INFORMATION FOR SEQ ID NO: 33:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
PCT-US94-01234-33

Query Match 51.4%; Score 38; DB 5; Length 18;
 Best Local Similarity 60.0%; Pred. No. 11; Mismatches 6;
 Matches 3; Conservative 3; Mismatches 1; Indels

RESULT 9
US-08-377-687-15
; Sequence 15, Application US/08377687
; Patent No. 553825
; GENERAL INFORMATION:
; APPLICANT: BROEGERT, WILLEM F.
; APPLICANT: CAMMEN, BRUNO P.A.

OPERATING SYSTEM: PC-POS/MS-DOS
 SOFTWARE: PatentIn Release #1.0. Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/377,687
 FILING DATE:
 CLASSIFICATION: 800
 PRIORITY APPLICATION DATA:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-POS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/377,687
 FILING DATE:
 CLASSIFICATION: 800
 PRIORITY APPLICATION DATA:
 ATTORNEY/AGENT INFORMATION:
 NAME: KOKULIS, PAUL N.
 REGISTRATION NUMBER: 16,773
 REFERENCE/DOCKET NUMBER: 99042/SEE.36525/US/A
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-822-3000
 TELEFAX: 202-822-0944
 INFORMATION FOR SEQ ID NO: 24:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 49 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 US-08-377-687-24
 RESULT 11
 Query Match 51.4%; Score 38; DB 1; Length 49;
 Best Local Similarity 41.7%; Pred. No. 28;
 Matches 5; Conservative 3; Mismatches 4; Indels 0; Gaps 0;
 QY 1 CRWNKADNRSC 12
 Db 24 CRNWEAKHGAC 35
 RESULT 11
 Query Match 51.4%; Score 38; DB 1; Length 49;
 Best Local Similarity 41.7%; Pred. No. 28;
 Matches 5; Conservative 3; Mismatches 4; Indels 0; Gaps 0;
 QY 1 CRWNKADNRSC 12
 Db 24 CRNWEAKHGAC 35
 RESULT 10
 US-08-377-687-24
 Sequence 24, Application US/08377687
 / GENERAL INFORMATION:
 / Patent No. 5538525
 / APPLICANT: BROEKERT, WILLEM F.
 / APPLICANT: CAMMUE, BRUNO P.A.
 / APPLICANT: OSBORN, RUPERT W.
 / APPLICANT: REES, SARAH B.
 / APPLICANT: TERRA, FRANCY R.G.
 / APPLICANT: VANDERBYDEN, JOZEF
 / TITLE OF INVENTION: BIOCIDAL PROTEINS
 / NUMBER OF SEQUENCES: 59
 / CORRESPONDENCE ADDRESS:
 / ADDRESSEE: CUSHMAN DARBY & CUSHMAN
 / STREET: 1100 NEW YORK AVENUE, N.W.
 / CITY: WASHINGTON
 / STATE: D.C.
 / COUNTRY: USA
 / ZIP: 20005
 / COMPUTER READABLE FORM:
 / MEDIUM TYPE: Floppy disk
 / COMPUTER: IBM PC compatible
 / OPERATING SYSTEM: PC-POS/MS-DOS
 / SOFTWARE: PatentIn Release #1.0, Version #1.25
 / CURRENT APPLICATION DATA:
 / APPLICATION NUMBER: US/08/656,318A
 / FILING DATE: 12-JUN-1996
 / CLASSIFICATION: 800
 / PRIORITY APPLICATION DATA:
 / APPLICATION NUMBER: GB 9326424.0
 / FILING DATE: 24-DEC-1993
 / PRIORITY APPLICATION DATA:
 / APPLICATION NUMBER: PCT/GB94/02766
 / FILING DATE: 19-DEC-1994
 / ATTORNEY/AGENT INFORMATION:
 / NAME: KOKULIS, PAUL N.
 / REGISTRATION NUMBER: 16,773
 / REFERENCE/DOCKET NUMBER: 224199/SEE37925/US/A

TELECOMMUNICATION INFORMATION:

TELEPHONE: (202) 651-3075

TELEFAX: (202) 822-0944

INFORMATION FOR SEQ ID NO: 7:

SEQUENCE CHARACTERISTICS:

LENGTH: 49 amino acids

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

ORIGINAL SOURCE: ORGANISM: Ch-AMP1

US-08-656-318A-7

Query Match 51.4%; Score 38; DB 1; Length 49;
Best Local Similarity 41.7%; Pred. No. 28;
Matches 5; Conservative 3; Mismatches 4; Indels 0;
Gaps 0;QY 1 CRSWNKAQNRC 12
Db 24 CRNWESAKHGAC 35

RESULT 12

US-08-777-192-15

Sequence 15, Application US/08777192

Patent No. 5824869

GENERAL INFORMATION:

APPLICANT: BROEKERT, WILLEM F.

APPLICANT: CAMMUE, BRUNO P.A.

APPLICANT: OSBORN, RUPERT W.

APPLICANT: REES, SARAH B.

APPLICANT: TERAS, FRANKY R.G.

APPLICANT: VANDERLEYDEN, JOZEF

TITLE OF INVENTION: BIOCIDAL PROTEINS

NUMBER OF SEQUENCES: 59

CORRESPONDENCE ADDRESS:

ADDRESSEE: CUSHMAN DARBY & CUSHMAN

STREET: 1100 NEW YORK AVENUE, N.W.

CITY: WASHINGTON

STATE: D.C.

COUNTRY: USA

ZIP: 20005

COMPUTER READABLE FORM:

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/777,192

CLASSIFICATION:

PRIORITY APPLICATION DATA:

APPLICATION NUMBER: US/08/002,480

FILING DATE: 04-JAN-1993

ATTORNEY/AGENT INFORMATION:

NAME: KOKULIS, PAUL N.

REGISTRATION NUMBER: 16,773

REFERENCE DOCKET NUMBER: 99042/SEE.36525/USA

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-861-3000

TELEFAX: 202-822-0944

INFORMATION FOR SEQ ID NO: 15:

SEQUENCE CHARACTERISTICS:

LENGTH: 49 amino acids

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: peptide

US-08-777-192-15

Query Match 51.4%; Score 38; DB 2; Length 49;
Best Local Similarity 41.7%; Pred. No. 28;

Gaps 0;

Matches 5; Conservative 3; Mismatches 4; Indels 0;

Gaps 0;

Query Match 51.4%; Score 38; DB 2; Length 49;
Best Local Similarity 41.7%; Pred. No. 28;
Matches 5; Conservative 3; Mismatches 4; Indels 0;
Gaps 0;QY 1 CRSWNKAQNRC 12
Db 24 CRNWESAKHGAC 35

RESULT 13

US-08-777-192-24

Sequence 24, Application US/08777192

Patent No. 5824869

GENERAL INFORMATION:

APPLICANT: BROEKERT, WILLEM F.

APPLICANT: CAMMUE, BRUNO P.A.

APPLICANT: OSBORN, RUPERT W.

APPLICANT: REES, SARAH B.

APPLICANT: TERAS, FRANKY R.G.

APPLICANT: VANDERLEYDEN, JOZEF

TITLE OF INVENTION: BIOCIDAL PROTEINS

NUMBER OF SEQUENCES: 59

CORRESPONDENCE ADDRESS:

ADDRESSEE: CUSHMAN DARBY & CUSHMAN

STREET: 1100 NEW YORK AVENUE, N.W.

CITY: WASHINGTON

STATE: D.C.

COUNTRY: USA

ZIP: 20005

COMPUTER READABLE FORM:

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/777,192

CLASSIFICATION:

PRIORITY APPLICATION DATA:

APPLICATION NUMBER: US/08/002,480

FILING DATE: 04-JAN-1993

ATTORNEY/AGENT INFORMATION:

NAME: KOKULIS, PAUL N.

REGISTRATION NUMBER: 16,773

REFERENCE DOCKET NUMBER: 99042/SEE.36525/USA

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-861-3000

TELEFAX: 202-822-0944

INFORMATION FOR SEQ ID NO: 14:

SEQUENCE CHARACTERISTICS:

LENGTH: 49 amino acids

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: peptide

RESULT 14

US-08-956-459-7

Sequence 7, Application US/08956459

Patent No. 5919918

GENERAL INFORMATION:

APPLICANT: BROEKERT, WILLEM F.

APPLICANT: CAMMUE, BRUNO P.A.

APPLICANT: OSBORN, RUPERT W.

APPLICANT: REES, SARAH B.

TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: PILLSBURY MADISON & SUTRO LLP
STREET: 1100 New York Avenue, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005-3918
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/956,459
FILING DATE: 22-OCT-1996
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/6656,318
FILING DATE: 12-JUN-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/GB94/02766
FILING DATE: 19-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9326424.0
FILING DATE: 24-DEC-1993
SEQUENCE CHARACTERISTICS:
SEQUENCE FOR SEQ ID NO: 7:
LENGTH: 49 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
ORIGINAL SOURCE:
ORGANISM: CB-AMPI
9-956-459-7
LT 15
9-971-982-15
SEQUENCE 15, Application US/08971982
GENERAL INFORMATION:
GENERAL NUMBER: 6,87904
APPLICANT: BROEKERT, WILLEM F.
CAMMIE, BRUNO F.A.
OSBORN, RUPERT W.
REES, SARAH B.
TERAS, FRANKY R.G.
VANDERLEYDEN, JOZEF
TITLE OF INVENTION: BIOCIDAL PROTEINS
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
ADDRESSEE: CUSHMAN DARBY & CUSHMAN
STREET: 1100 NEW YORK AVENUE, N.W.
CITY: WASHINGTON
STATE: D.C.
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using SW model

Run on: March 1, 2004, 16:57:09 ; Search time 38.0488 Seconds

66.594 Million cell updates/sec

Title: US-09-910-582B-10
Perfect score: 74
Sequence: 1 CRSWNKADNRSC 12

Scoring table: BLOSUM62

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Total number of hits satisfying chosen parameters: 809742

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 0%

listing first 45 summaries

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3: /cgn2_6/ptodata/1/pubbaa/US06_PUBCOMB.pep:*

4: /cgn2_6/ptodata/1/pubbaa/US09C_PUBCOMB.pep:*

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17: /cgn2_6/ptodata/1/pubbaa/US60_PUBCOMB.pep:*

18: /cgn2_6/ptodata/1/pubbaa/US60_PUBCOMB.pep:*

Prod. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No. Score Query Match Length DB ID Description

1 74 100.0 12 9 US-09-782-650-5 Sequence 5, Appli

2 74 100.0 12 10 US-09-582B-10 Sequence 10, Appli

3 46 62.2 101 11 US-09-844-408A-322 Sequence 3022, Appli

4 41 55.4 51 13 US-10-178-439A-35 Sequence 35, Appli

5 41 55.4 75 14 US-10-178-439A-37 Sequence 37, Appli

6 41 55.4 110 14 US-10-178-439A-30 Sequence 30, Appli

7 41 55.4 110 14 US-10-178-439A-79 Sequence 769, Appli

8 41 55.4 170 14 US-10-171-464A-79 Sequence 28, Appli

9 41 55.4 236 14 US-10-002-631C-28 Sequence 459, Appli

10 41 55.4 262 14 US-10-000-170-459 Sequence 931, Appli

11 41 55.4 998 14 US-10-111-464A-931 Sequence 1634, Appli

12 41 55.4 1063 14 US-10-007-161-1624 Sequence 1286, Appli

13 41 55.4 1063 15 US-10-232-788-1296 Sequence 6915, Appli

14 40 54.1 497 15 US-10-349-433-6945 Sequence 6, Appli

15 39 52.7 49 14 US-10-178-439A-6 Sequence 1, Appli

SEQUENCES

Sequence 45, Appli

Sequence 789, Appli

Sequence 928, Appli

Sequence 445, Appli

Sequence 415, Appli

Sequence 15, Appli

Sequence 24, Appli

Sequence 60, Appli

Sequence 49, Appli

Sequence 228, Appli

Sequence 111, Appli

Sequence 33561, Appli

Sequence 33385, Appli

Sequence 6, Appli

Sequence 513, Appli

Sequence 277, Appli

Sequence 44, Appli

Sequence 230, Appli

RESULT 1
US-09-782-650-5

; Sequence 5, Application US/9782650
; Patent No. US2002019350A1

; GENERAL INFORMATION:
; APPLICANT: Levine, Arnold J.

; APPLICANT: Mitterer, Artur
; APPLICANT: Falkner, Falko-Guenther
; APPLICANT: Scheifflinger, Friedrich
; APPLICANT: Dorer, Friedrich
; APPLICANT: Edwards Lifesciences Corporation

; TITLE OF INVENTION: Targeted Angiogenesis
; CURRENT APPLICATION NUMBER: US/9782650
; CURRENT FILING DATE: 2001-02-12
; PRIOR APPLICATION NUMBER: US 09/324,079
; PRIOR FILING DATE: 1999-06-01
; PRIOR APPLICATION NUMBER: US 09/327,045
; PRIOR FILING DATE: 1999-06-07
; PRIOR APPLICATION NUMBER: PCT/US00/14988
; PRIOR FILING DATE: 2000-05-31

; NUMBER OF SEQ ID NOS: 24

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 5
; LENGTH: 12

; TYPE: PRT
; ORGANISM: Artificial Sequence

; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:targeting

; OTHER INFORMATION: molecule
; OTHER INFORMATION: molecule

; US-09-782-650-5

; Query Match 100 %; Score 74; DB 9; Length 12;

; Best Local Similarity 100 %; Pred. No. 5.5e-05; Indels 0; Gaps 0;

; Matches 12; Conservative 0; Mismatches 0;

; Sequence 6, Appli

; Sequence 1, Appli

; Sequence 2, Appli

; Sequence 3, Appli

; Sequence 4, Appli

; Sequence 5, Appli

; Sequence 6, Appli

; Sequence 7, Appli

; Sequence 8, Appli

; Sequence 9, Appli

; Sequence 10, Appli

; Sequence 11, Appli

; Sequence 12, Appli

; Sequence 13, Appli

; Sequence 14, Appli

; Sequence 15, Appli

; Sequence 16, Appli

; Sequence 17, Appli

; Sequence 18, Appli

RESULT 2
US-09-910-582B-10
; Sequence 10, Application US/09910582B
; Publication No. US20030045476A1
; GENERAL INFORMATION:
; APPLICANT: Ruoslahti, Erkki
; APPLICANT: Mackenna, Deide A.
; TITLE OF INVENTION: Heart Homing Conjugates
; FILE REFERENCE: P-LJ 4857
; CURRENT APPLICATION NUMBER: US/09/910,582B
; CURRENT FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: US 09/326,718
; PRIOR FILING DATE: 1999-06-07
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 10
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE: OTHER INFORMATION: synthetic construct
; US-09-910-582B-10
; Query Match 100.0%; Score 74; DB 10; Length 12;
; Best Local Similarity 100.0%; Pred. No. 5.5e-05;
; Matches 12; Conservative 0; Mismatches 0; Indels 0;
; Gaps 0; Qy 1 CRSWNKADNRSC 12
; Db 1 CRSWNKADNRSC 12
; RESULT 3
US-09-864-408A-3022
; Sequence 37, Application US/09864408A
; Publication No. US2004009474A1
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Shimkets, Richard A.
; TITLE OF INVENTION: No. US2004009474A1 Human Polynucleotides and Polypeptides Encoded by Human Genes
; FILE REFERENCE: 21402-012
; CURRENT APPLICATION NUMBER: US/09/864,408A
; CURRENT FILING DATE: 2001-05-24
; PRIOR APPLICATION NUMBER: 60/206,690
; PRIOR FILING DATE: 2000-05-24
; NUMBER OF SEQ ID NOS: 9069
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 3022
; LENGTH: 101
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-864-408A-3022
; Query Match 62.2%; Score 46; DB 11; Length 101;
; Best Local Similarity 63.6%; Pred. No. 7.6%; Mismatches 7; Conservative 1; Mismatches 3; Indels 0; Gaps 0; Qy 1 CRSWNKADNRSC 11
; Db 23 CRWNKADNRSC 33
; RESULT 4
US-10-178-449A-35
; Sequence 35, Application US/10/78449A
; Publication No. US2003140368A1
; GENERAL INFORMATION:
; APPLICANT: Famodai, Omayayo O.
; APPLICANT: Herrmann, Rafael
; APPLICANT: Lu, Albert I.
; APPLICANT: McCutchen, Billy Fred
; APPLICANT: Miao, Guo-Hua
; APPLICANT: Presnail, James K.
; APPLICANT: Rafalski, Jan Antoni
; APPLICANT: Weng, Zude
; TITLE OF INVENTION: Plant Defensins
; FILE REFERENCE: 35718/249123
; CURRENT APPLICATION NUMBER: US/10/178,449A
; CURRENT FILING DATE: 2002-06-21
; PRIOR APPLICATION NUMBER: US 10/030,516
; PRIOR FILING DATE: 2000-05-03
; PRIOR APPLICATION NUMBER: PCT/US00/11952
; PRIOR FILING DATE: 2000-05-03
; PRIOR APPLICATION NUMBER: US 60/133,039
; PRIOR FILING DATE: 1999-05-07
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 37
; LENGTH: 75
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE: OTHER INFORMATION: Synthetic version of *Picramnia pentandra* mature peptide
; OTHER INFORMATION: Peptide with a barley alpha amylase signal peptide
; US-10-178-449A-37
; Query Match 55.4%; Score 41; DB 14; Length 75;
; Best Local Similarity 50.0%; Pred. No. 34; Mismatches 6; Conservative 2; Mismatches 4; Indels 0; Gaps 0; Qy 1 CRSWNKADNRSC 12
; Db 49 CRSWENHQHGC 60

RESULT 6
US-10-178-449A-8
; Sequence 8, Application US/10178449A
; Publication No. US20030140368A1
; GENERAL INFORMATION:
; APPLICANT: Famodu, Omolayo O.
; APPLICANT: Herrmann, Rafael
; APPLICANT: Lu, Albert L.
; APPLICANT: McCutchen, Billy Fred
; APPLICANT: Miao, Guo-Hua
; APPLICANT: Presnail, James K.
; APPLICANT: Rafalski, Jan Antoni
; APPLICANT: Weng, Zude
; TITLE OF INVENTION: Plant Defensins
; FILE REFERENCE: 35718/249123
; CURRENT APPLICATION NUMBER: US/10/178-449A
; CURRENT FILING DATE: 2002-05-21
; PRIOR APPLICATION NUMBER: US 10/030,516
; PRIOR FILING DATE: 2000-05-03
; PRIOR APPLICATION NUMBER: PCT/US00/11952
; PRIOR FILING DATE: 2000-05-03
; PRIOR APPLICATION NUMBER: US 60/133,039
; PRIOR FILING DATE: 1999-05-07
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 110
; TYPE: PRT
; ORGANISM: Picramnia pentandra
; US-10-178-449A-8

Query Match 55.4%; Score 41; DB 14; Length 110;
Best Local Similarity 50.0%; Pred. No. 48; Matches 6; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

Qy 1 CRSWNKADNRSC 12
Db 84 CRSWEHAQHGAC 95

RESULT 8
US-10-101-464A-769
; Sequence 769, Application US/10101464A
; Publication No. US20030046728A1
; GENERAL INFORMATION:
; APPLICANT: Scrabola, Timothy
; APPLICANT: Niezenhuizen, Nicolaas
; APPLICANT: Higgins, Colleen M.
; TITLE OF INVENTION: Compositions isolated from Plant Cells and Their Use in the Modification of Plant Cell Signaling
; FILE REFERENCE: 11000.1020c2
; CURRENT APPLICATION NUMBER: US/10/101,464A
; CURRENT FILING DATE: 2002-03-18
; PRIOR APPLICATION NUMBER: 09/704,302
; PRIOR FILING DATE: 2000-11-01
; PRIOR APPLICATION NUMBER: 09/228,986
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/162,866
; PRIOR FILING DATE: 1999-11-01
; PRIOR APPLICATION NUMBER: PCT/US00/00724
; PRIOR FILING DATE: 2000-01-11
; NUMBER OF SEQ ID NOS: 989
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 769
; LENGTH: 170
; TYPE: PRT
; ORGANISM: Pinus radiata
; US-10-101-464A-769

Query Match 55.4%; Score 41; DB 14; Length 170;
Best Local Similarity 54.5%; Pred. No. 71; Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 2 RSWNKADNRSC 12
Db 48 RNWNENDNSPC 58

RESULT 7
US-10-178-449A-30
; Sequence 30, Application US/10178449A
; Publication No. US20030140368A1
; GENERAL INFORMATION:
; APPLICANT: Famodu, Omolayo O.
; APPLICANT: Herrmann, Rafael
; APPLICANT: Lu, Albert L.
; APPLICANT: McCutchen, Billy Fred
; APPLICANT: Miao, Guo-Hua
; APPLICANT: Presnail, James K.
; APPLICANT: Rafalski, Jan Antoni
; APPLICANT: Weng, Zude
; TITLE OF INVENTION: Plant Defensins
; FILE REFERENCE: 35718/249123
; CURRENT APPLICATION NUMBER: US/10/178-449A
; CURRENT FILING DATE: 2002-06-21
; PRIOR APPLICATION NUMBER: US 10/030,516
; PRIOR FILING DATE: 2000-05-03
; PRIOR APPLICATION NUMBER: PCT/US00/11952
; PRIOR FILING DATE: 2000-05-03
; PRIOR APPLICATION NUMBER: US 60/133,039
; PRIOR FILING DATE: 1999-05-07
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 30
; LENGTH: 110
; TYPE: PRT
; ORGANISM: Picramnia pentandra
; US-10-178-449A-30

Query Match 55.4%; Score 41; DB 14; Length 236;

Query Match 55.4%; Score 41; DB 14; Length 110;
Best Local Similarity 50.0%; Pred. No. 48; Matches 6; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

Qy 1 CRSWNKADNRSC 12
Db 84 CRSWEHAQHGAC 95

RESULT 9
US-10-002-631C-28
; Sequence 28, Application US/10002631C
; Publication No. US20030157486A1
; GENERAL INFORMATION:
; APPLICANT: Graft, Jonathon M.
; APPLICANT: Muenter, Matthew
; TITLE OF INVENTION: METHODS TO IDENTIFY SIGNAL SEQUENCES
; FILE REFERENCE: A34943 090495.0243
; CURRENT APPLICATION NUMBER: US/10/002,631C
; CURRENT FILING DATE: 2001-10-31
; PRIOR APPLICATION NUMBER: 60/300,309
; PRIOR FILING DATE: 2001-06-21
; NUMBER OF SEQ ID NOS: 324
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 28
; LENGTH: 236
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: UNSURE
; LOCATION: (1)..(93)
; OTHER INFORMATION: Xaa = any amino acid
; US-10-002-631C-28

Best Local Similarity 50.0%; Pred. No. 96; Mismatches 6; Conservative 1; Indels 0; Gaps 0; Qy 1 CRSWNKADNRSC 12 Db 65 CRXWDLQRKRC 76

RESULT 10
US-10-080-170-459
; Sequence 459, Application US/10080170
; Publication No. US200303129601A1
; GENERAL INFORMATION:
; APPLICANT: COLE, S. T.
; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
; TITLE OF INVENTION: IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
; TITLE OF INVENTION: TREATMENT OF MYCOBACTERIOSIS
; FILE REFERENCE: 03495 0218
; CURRENT APPLICATION NUMBER: US/10/080,170
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: 60/270,123
; PRIOR FILING DATE: 2001-02-22
; SOFTWARE: Patentin Ver. 2.1
; NUMBER OF SEQ ID NOS: 652
; SEQ ID NO: 459
; LENGTH: 262
; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis
US-10-080-170-459

RESULT 11
US-10-101-464A-931
; Sequence 931, Application US/10101464A
; Publication No. US20030046728A1
; GENERAL INFORMATION:
; APPLICANT: Strabala, Timothy
; APPLICANT: Nieuwenhuizen, Nicolaas
; APPLICANT: Higgins, Colleen M.
; TITLE OF INVENTION: Compositions Isolated from Plant Cells
; TITLE OF INVENTION: and their Use in the Modification of Plant Cell Signaling
; FILE REFERENCE: 11000-10202
; CURRENT APPLICATION NUMBER: US/10/101,464A
; CURRENT FILING DATE: 2002-03-18
; PRIOR APPLICATION NUMBER: 09/704,302
; PRIOR FILING DATE: 2000-11-01
; PRIOR APPLICATION NUMBER: 09/228,986
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/162,866
; PRIOR FILING DATE: 1999-11-01
; PRIOR APPLICATION NUMBER: PCT/US00/00724
; PRIOR FILING DATE: 2000-01-11
; NUMBER OF SEQ ID NOS: 989
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 931
; LENGTH: 998
; TYPE: PRT
; ORGANISM: Pinus radiata
; FEATURES:
; NAME/KEY: VARIANT
; LOCATION: (1)..998
; OTHER INFORMATION: Xaa = Any Amino Acid
US-10-101-464A-931

Query Match 55.4%; Score 41; DB 14; Length 998; Qy 1 CRSWNKADNRSC 12 Db 48 RNWNNDNSPC 58

RESULT 12
US-10-017-161-1624
; Sequence 1624, Application US/10017161
; Publication No. US20030143668A1
; GENERAL INFORMATION:
; APPLICANT: SUWA, MAKIKO
; APPLICANT: AKIYAMA, YUTAKA
; APPLICANT: ABURATANI, HIRROYKI
; TITLE OF INVENTION: NOVEL G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 08435/0152
; CURRENT APPLICATION NUMBER: US/10/017,161
; CURRENT FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: JP 2001/246789
; PRIOR FILING DATE: 2001-06-18
; NUMBER OF SEQ ID NOS: 2430
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO: 1624
; LENGTH: 1063
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-017-161-1624

RESULT 13
US-10-292-798-1296
; Sequence 1296, Application US/102922798
; Publication No. US20030235833A1
; GENERAL INFORMATION:
; APPLICANT: SUWA, MAKIKO
; APPLICANT: ASAI, KIYOSHI
; APPLICANT: AKIYAMA, YUTAKA
; APPLICANT: ABURATANI, HIRROYKI
; TITLE OF INVENTION: GUANOSINE TRIPHOSPHATE-BINDING PROTEIN COUPLED RECEPTORS
; FILE REFERENCE: 08435/166
; CURRENT APPLICATION NUMBER: US/10/292,798
; CURRENT FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: 10/017,161
; PRIOR FILING DATE: 2001-12-18
; PRIOR APPLICATION NUMBER: JP 2001-246789
; PRIOR FILING DATE: 2001-06-18
; NUMBER OF SEQ ID NOS: 2070
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO: 1296
; LENGTH: 1063
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-292-798-1296

Query Match 55.4%; Score 41; DB 15; Length 1063; Qy 1 CRSWNKADNRSC 12 Db 551 CLGNGRAKNSC 562

RESULT 14
US-10-369-493-6945
ס-10-369-493-6945

Db 23 CKSWEHAQHKAC 34

Search completed: March 1, 2004, 17:16:47
Job time : 39.0488 secs

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; ORGANISM: Caenorhabditis elegans
US-10-369-493-6945

Query Match      54.1%;  Score 40;  DB 15;  Length 497;
Best Local Similarity  41.7%;  Pred. No. 47;
Matches 8;  Conservative 61.5%;  1;  Mismatches 2;  Indels 2;  Gaps 1;
Qy
Db
      2 RSWNK--ADNRSC 12
      247 RSWNKENSTNRREC 259

RESULT 15
US-10-178-449A-6

; Sequence 6, Application US/10178449A
; Publication No. US20030140368A1
; GENERAL INFORMATION:
; APPLICANT: Famodil, Omolayo O.
; APPLICANT: Herrmann, Rafael
; APPLICANT: Lu, Albert L.
; APPLICANT: McCurthen, Billy Fred
; APPLICANT: Miao, Guo-Hua
; APPLICANT: Premaul, James K.
; APPLICANT: Rafalski, Jan Antoni
; APPLICANT: Weng, Zude
; TITLE OF INVENTION: Plant Defensins
; FILE REFERENCE: 35718/249123
; CURRENT APPLICATION NUMBER: US/10/178,449A
; CURRENT FILING DATE: 2002-06-21
; PRIOR APPLICATION NUMBER: US 10/030,516
; PRIOR FILING DATE: 2000-03-03
; PRIOR APPLICATION NUMBER: PCT/US00/11952
; PRIOR FILING DATE: 2000-05-03
; PRIOR APPLICATION NUMBER: US 60/133,039
; PRIOR FILING DATE: 1999-05-07
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: FastSEQ For Windows Version 4.0
; SEQ ID NO: 6
; LENGTH: 49
; TYPE: PRT
; ORGANISM: Picramnia pentandra
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 8, 22, 32, 47
; OTHER INFORMATION: Xaa = Any Amino Acid
; US-10-178-449A-6

Query Match      52.7%;  Score 39;  DB 14;  Length 49;
Best Local Similarity  41.7%;  Pred. No. 47;
Matches 5;  Conservative 61.5%;  3;  Mismatches 4;  Indels 0;  Gaps 0;

```